

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092019\
 Data File : BM022733.D
 Acq On : 20 Sep 2019 19:43
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-MDL-S-5PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Manual Integrations
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mohammad
 9/24/2019 8:34:49 AM

Quant Time: Sep 21 02:25:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	186359	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	744549	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	421848	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	823053	20.00	ng	0.00
76) Chrysene-d12	21.37	240	772049	20.00	ng	-0.01
87) Perylene-d12	23.64	264	804622	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1400644	119.20	ng	0.00
7) Phenol-d6	6.99	99	1781923	118.07	ng	0.00
23) Nitrobenzene-d5	8.97	82	1049947	78.28	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	631165	119.85	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2420336	79.01	ng	0.00
79) Terphenyl-d14	19.82	244	3227908	80.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	24884	5.263	ng	# 100
3) Pyridine	3.75	79	52185	4.187	ng	96
4) n-Nitrosodimethylamine	3.64	42	18168	4.004	ng	# 86
6) Aniline	7.15	93	87296	4.824	ng	99
8) 2-Chlorophenol	7.39	128	60654	5.066	ng	97
9) Benzaldehyde	6.96	77	53589	6.236	ng	99
10) Phenol	7.01	94	71955	5.064	ng	89
11) bis(2-Chloroethyl)ether	7.25	93	54104	4.847	ng	99
12) 1,3-Dichlorobenzene	7.72	146	68727	4.803	ng	99
13) 1,4-Dichlorobenzene	7.86	146	70060	4.836	ng	99
14) 1,2-Dichlorobenzene	8.17	146	66281	4.799	ng	99
15) Benzyl Alcohol	8.06	79	43737	4.631	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.36	45	78525	4.842	ng	99
17) 2-Methylphenol	8.26	107	42626	4.532	ng	99
18) Hexachloroethane	8.90	117	24515	4.614	ng	96
19) n-Nitroso-di-n-propylamine	8.63	70	38967	4.624	ng	98
20) 3+4-Methylphenols	8.59	107	55690	4.446	ng	99
22) Acetophenone	8.65	105	86336	4.698	ng	# 98
24) Nitrobenzene	9.02	77	67594	5.267	ng	98
25) Isophorone	9.55	82	99308	4.503	ng	99
26) 2-Nitrophenol	9.73	139	20327	3.669	ng	98
27) 2,4-Dimethylphenol	9.79	122	47497	5.121	ng	98
28) bis(2-Chloroethoxy)methane	10.03	93	70673	4.631	ng	99
29) 2,4-Dichlorophenol	10.26	162	43331	4.132	ng	100
30) 1,2,4-Trichlorobenzene	10.48	180	60674	4.703	ng	99
31) Naphthalene	10.66	128	183563	4.990	ng	100
32) Benzoic acid	9.84	122	12506m	2.095	ng	
33) 4-Chloroaniline	10.77	127	72555	4.542	ng	98
34) Hexachlorobutadiene	10.96	225	34784	4.523	ng	99
35) Caprolactam	11.55	113	9957m	3.203	ng	
36) 4-Chloro-3-methylphenol	11.89	107	42711	4.175	ng	99
37) 2-Methylnaphthalene	12.28	142	125779	4.912	ng	99
38) 1-Methylnaphthalene	12.50	142	116268	4.783	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	62851	4.397	ng	99

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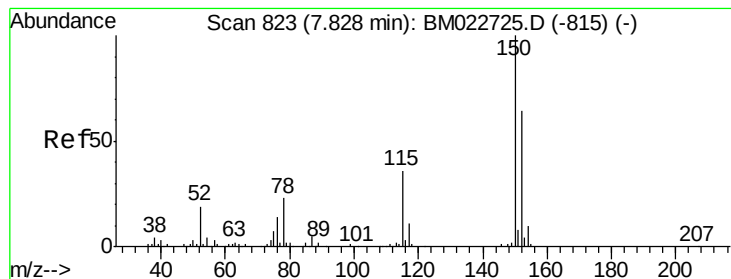
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.64	237	33593	4.307	ng	99
43) 2,4,6-Trichlorophenol	12.89	196	31189	3.781	ng	97
44) 2,4,5-Trichlorophenol	12.96	196	35781	4.162	ng	98
46) 1,1'-Biphenyl	13.29	154	160887	4.608	ng	99
47) 2-Chloronaphthalene	13.33	162	123429	4.743	ng	100
48) 2-Nitroaniline	13.53	65	23346	3.445	ng	95
49) Acenaphthylene	14.18	152	172767	4.483	ng	99
50) Dimethylphthalate	13.91	163	138327	4.537	ng	100
51) 2,6-Dinitrotoluene	14.02	165	24661	3.867	ng	90
52) Acenaphthene	14.52	154	118107	4.685	ng	99
53) 3-Nitroaniline	14.35	138	24434	3.328	ng	# 95
54) 2,4-Dinitrophenol	14.56	184	7347	2.440	ng	98
55) Dibenzofuran	14.86	168	185187	5.032	ng	99
56) 4-Nitrophenol	14.65	139	17622	3.123	ng	95
57) 2,4-Dinitrotoluene	14.81	165	27214	3.258	ng	90
58) Fluorene	15.50	166	140902	4.711	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.08	232	29143	3.887	ng	100
60) Diethylphthalate	15.27	149	126668	4.273	ng	100
61) 4-Chlorophenyl-phenylether	15.50	204	71300	4.640	ng	95
62) 4-Nitroaniline	15.51	138	24741	3.215	ng	93
63) Azobenzene	15.79	77	112814	4.214	ng	99
65) 4,6-Dinitro-2-methylphenol	15.57	198	12032	3.121	ng	96
66) n-Nitrosodiphenylamine	15.71	169	115054	4.576	ng	100
67) 4-Bromophenyl-phenylether	16.39	248	39768	4.344	ng	98
68) Hexachlorobenzene	16.51	284	48083	4.504	ng	99
69) Atrazine	16.66	200	30800	3.768	ng	97
70) Pentachlorophenol	16.84	266	18623	3.271	ng	95
71) Phenanthrene	17.23	178	224597	4.836	ng	100
72) Anthracene	17.33	178	202652	4.502	ng	99
73) Carbazole	17.59	167	180536	4.310	ng	99
74) Di-n-butylphthalate	18.16	149	161450	3.400	ng	100
75) Fluoranthene	19.25	202	228162	4.354	ng	98
77) Benzidine	19.43	184	71287	3.366	ng	99
78) Pyrene	19.61	202	243105	4.805	ng	100
80) Butylbenzylphthalate	20.51	149	59605	3.100	ng	93
81) Benzo(a)anthracene	21.36	228	228541	4.567	ng	98
82) 3,3'-Dichlorobenzidine	21.29	252	68605	3.866	ng	99
83) Chrysene	21.40	228	234827	4.841	ng	99
84) Bis(2-ethylhexyl)phthalate	21.29	149	86053	3.020	ng	97
85) Di-n-octyl phthalate	22.18	149	126197	2.779	ng	# 95
86) Indeno(1,2,3-cd)pyrene	25.94	276	246780	4.262	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	226829	4.656	ng	98
89) Benzo(k)fluoranthene	23.00	252	213437	4.415	ng	98
90) Benzo(a)pyrene	23.54	252	201378	4.486	ng	99
91) Dibenzo(a,h)anthracene	25.96	278	209674	4.465	ng	98
92) Benzo(g,h,i)perylene	26.65	276	203149	4.555	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.82 min Scan# 822

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

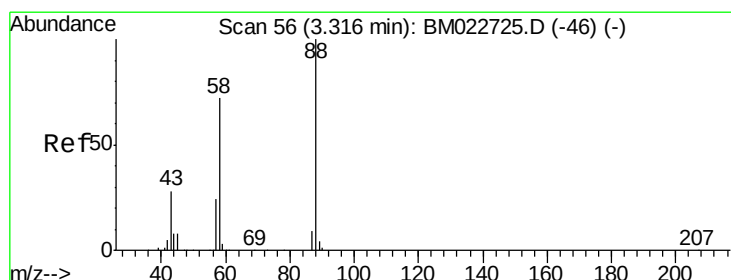
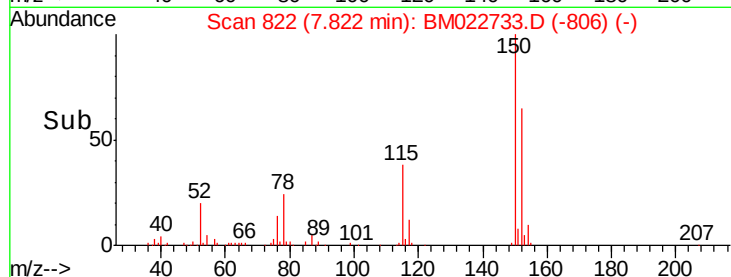
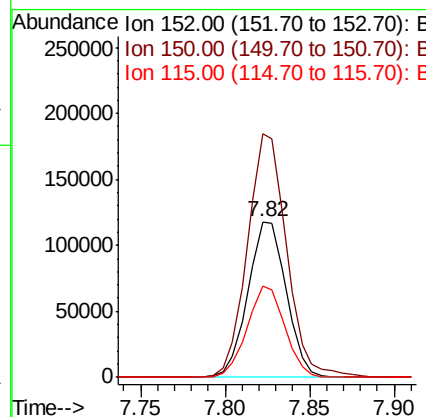
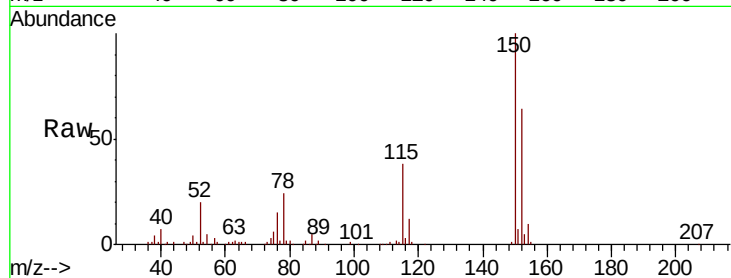
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	152	Resp:	186359
Ion Ratio	Lower	Upper	
152	100		
150	156.4	124.5	186.7
115	58.7	45.0	67.4

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#2

1,4-Dioxane

Concen: 5.263 ng

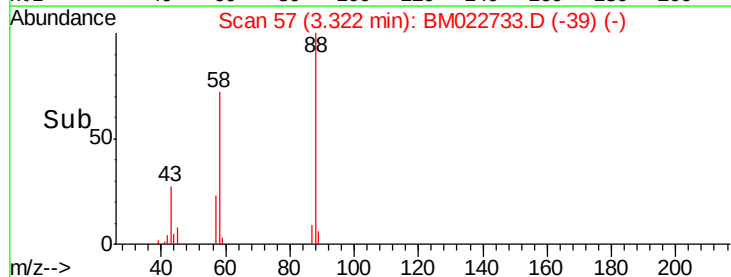
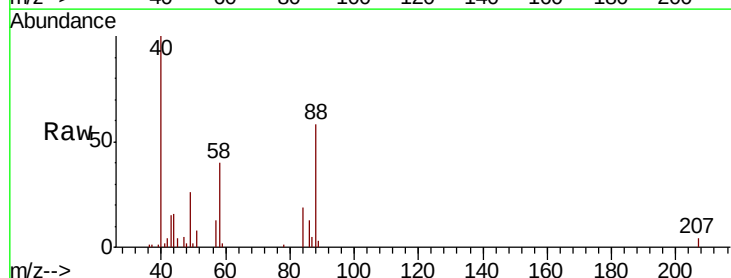
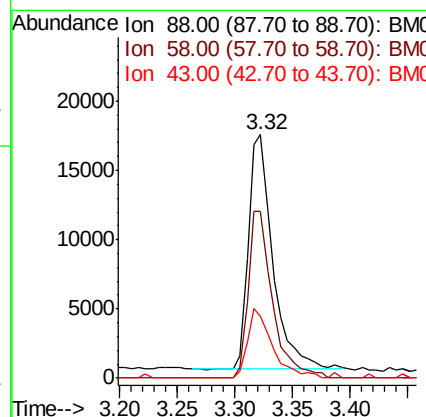
RT: 3.32 min Scan# 57

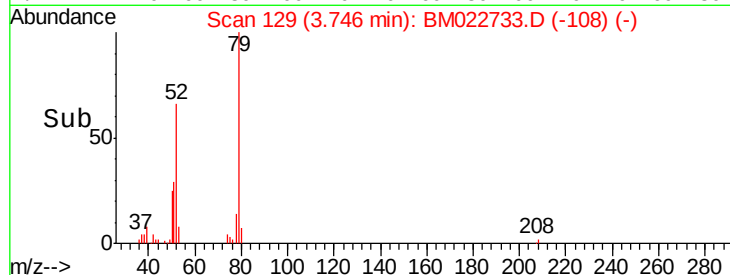
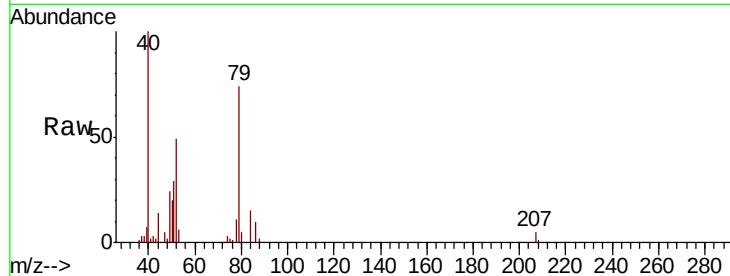
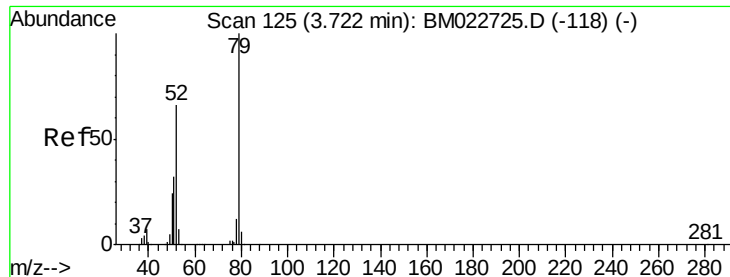
Delta R.T. 0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:	88	Resp:	24884
Ion Ratio	Lower	Upper	
88	100		
58	70.8	0.0	0.0#
43	30.1	0.0	0.0#





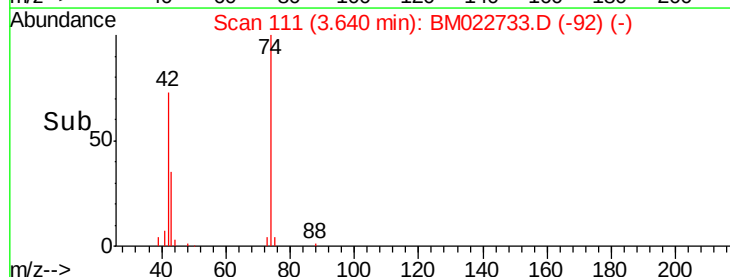
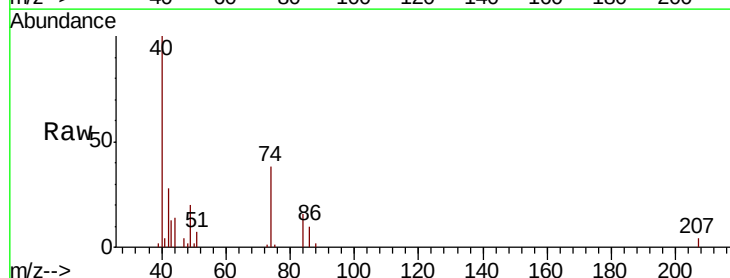
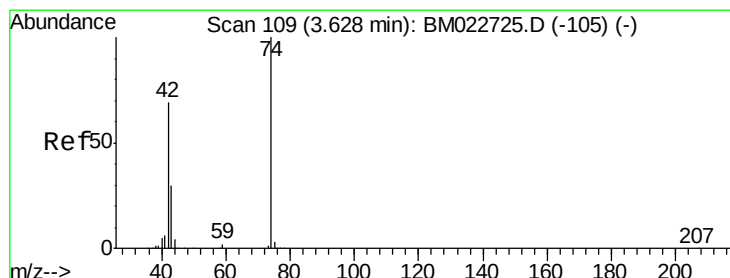
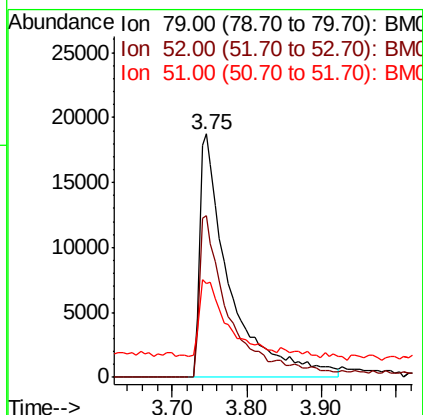
#3
 Pvridine
 Concen: 4.187 ng
 RT: 3.75 min Scan# 129
 Delta R.T. 0.02 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tot Ion:	79	Resp:	52185
Ion Ratio	Lower	Upper	
79	100		
52	66.5	52.4	78.6
51	38.7	26.2	39.4

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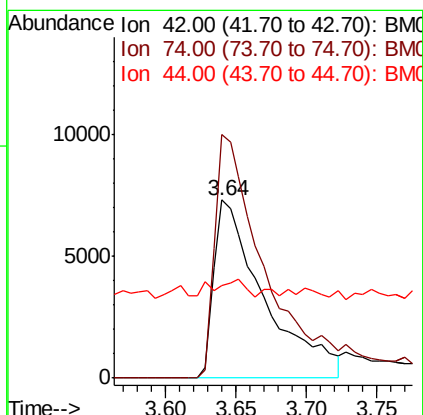
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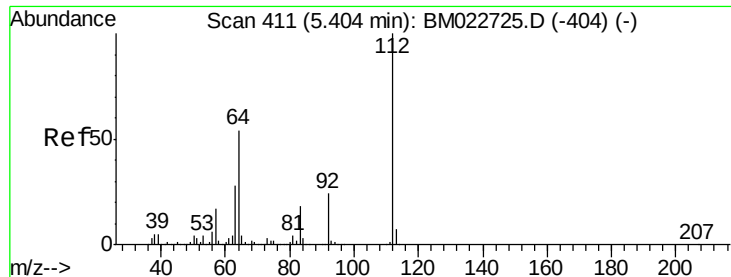
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#4
 n-Nitrosodimethylamine
 Concen: 4.004 ng
 RT: 3.64 min Scan# 111
 Delta R.T. 0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion:	42	Resp:	18168
Ion Ratio	Lower	Upper	
42	100		
74	136.7	116.6	175.0
44	51.9	8.2	12.4#





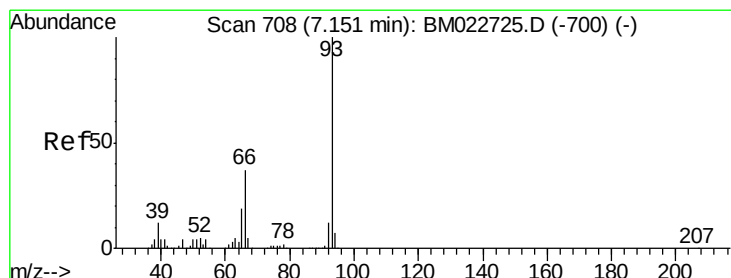
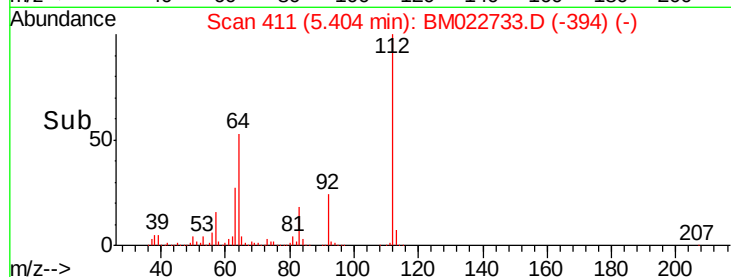
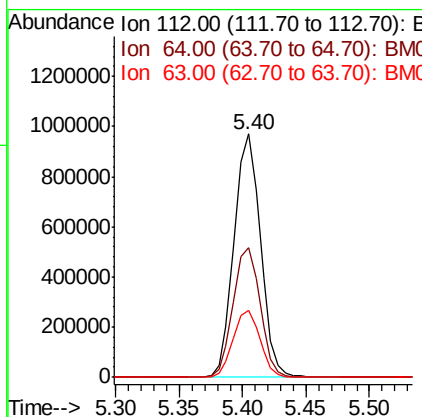
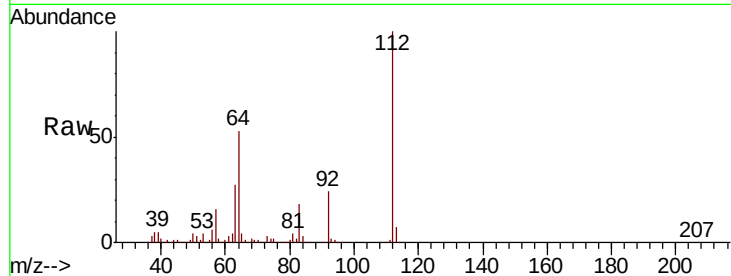
#5
2-Fluorophenol
Concen: 119.199 ng
RT: 5.40 min Scan# 411
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
112	100		
64	53.3	43.4	65.2
63	27.5	22.1	33.1

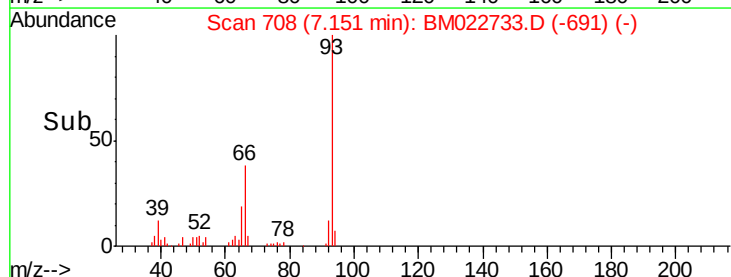
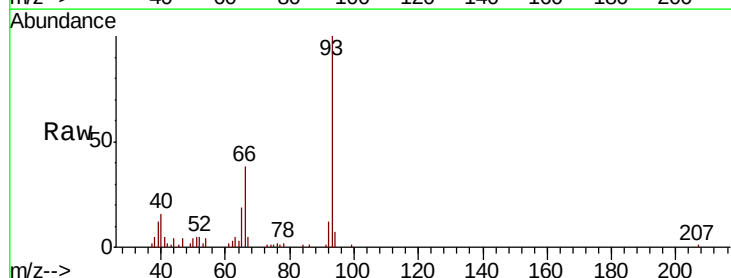
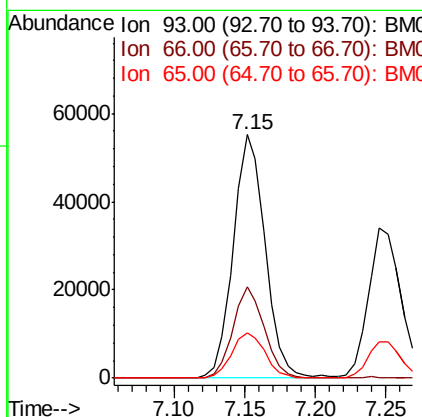
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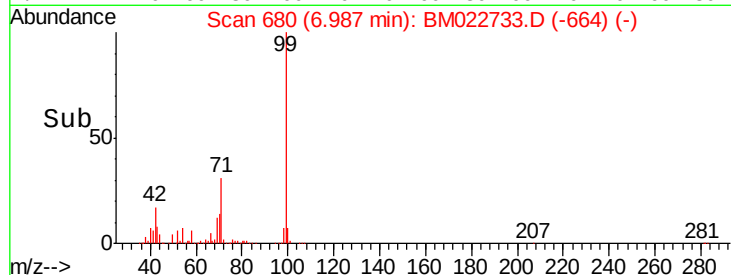
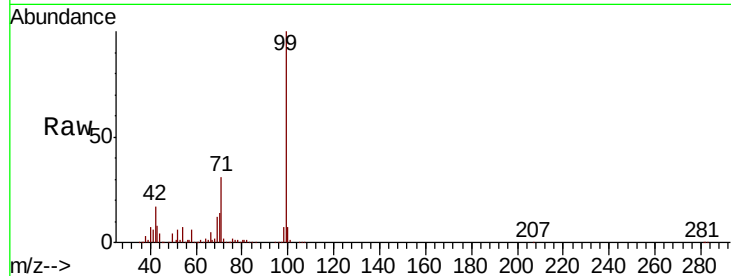
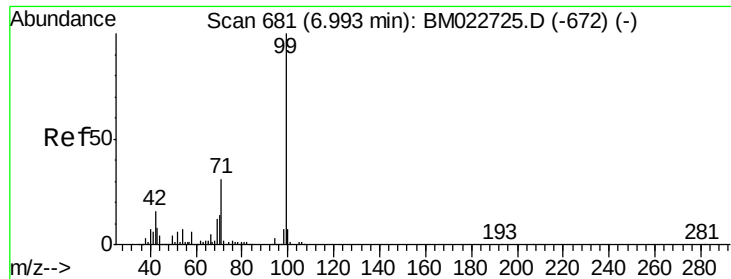
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#6
Aniline
Concen: 4.824 ng
RT: 7.15 min Scan# 708
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
93	100		
66	37.6	29.3	43.9
65	18.7	15.3	22.9





#7

Phenol-d6

Concen: 118.069 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tot Ion:	99	Resp:	1781923
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.0	19.4
71	31.2	24.7	37.1

Instrument :

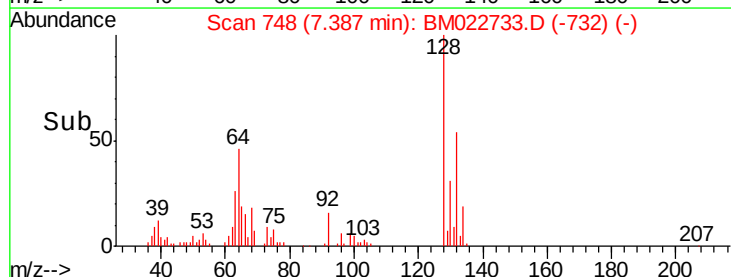
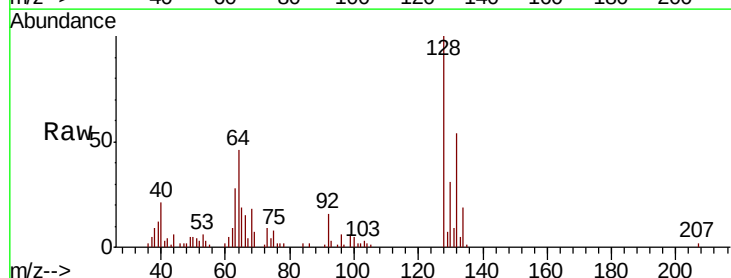
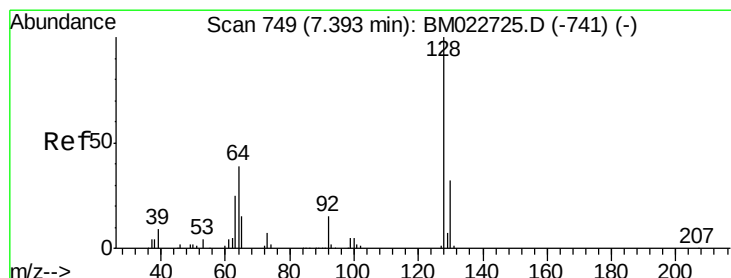
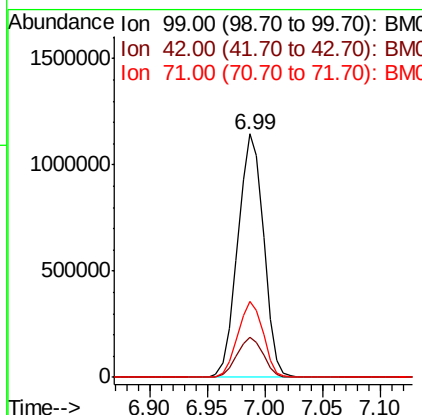
BNA_M

ClientSampleId :

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#8

2-Chlorophenol

Concen: 5.066 ng

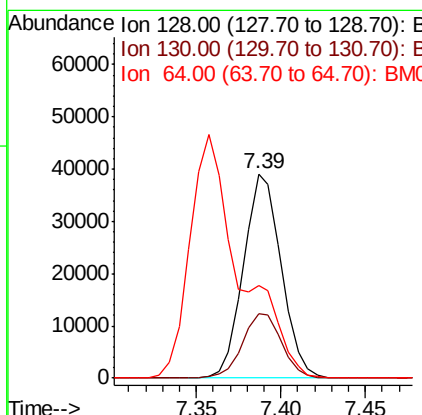
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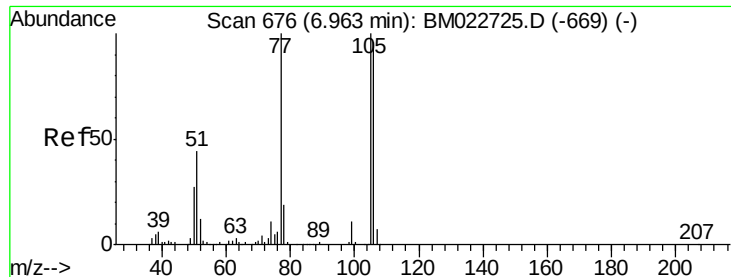
Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:	128	Resp:	60654
Ion	Ratio	Lower	Upper
128	100		
130	31.3	12.1	52.1
64	45.6	22.9	62.9





#9

Benzaldehyde

Concen: 6.236 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

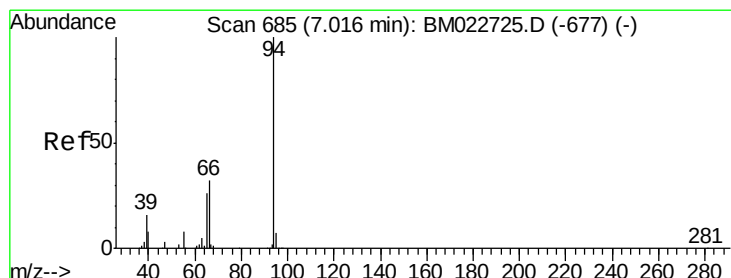
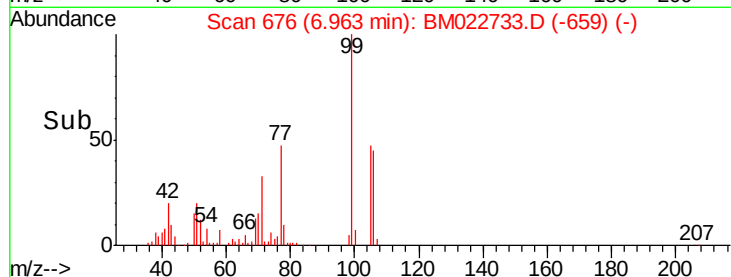
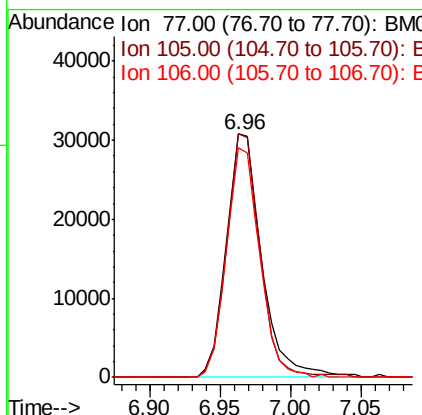
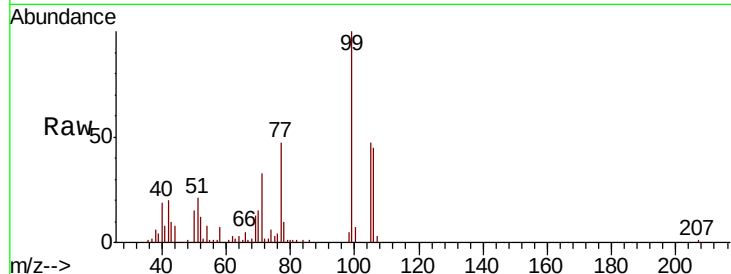
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	77	Resp:	53589
Ion	Ratio	Lower	Upper
77	100		
105	99.9	79.6	119.6
106	94.4	76.3	116.3

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#10

Phenol

Concen: 5.064 ng

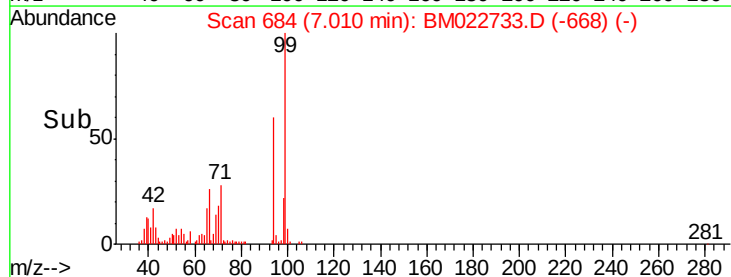
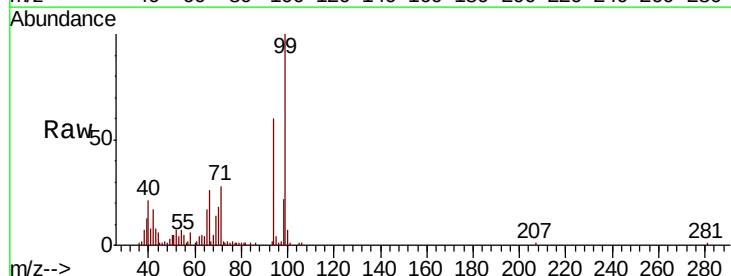
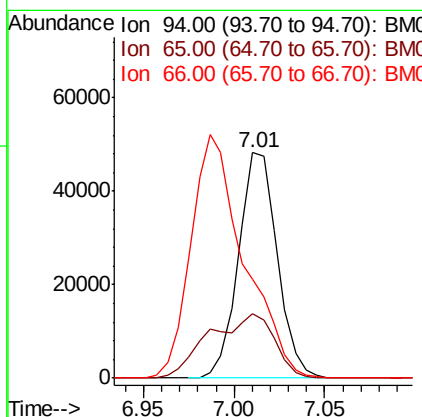
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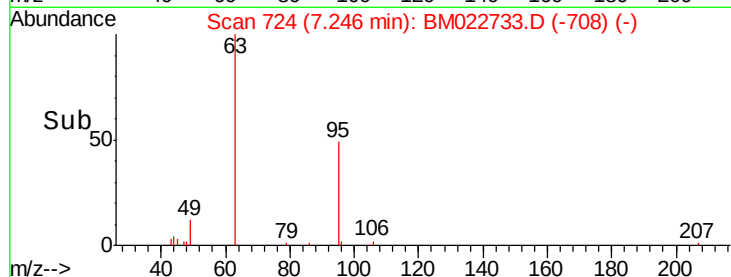
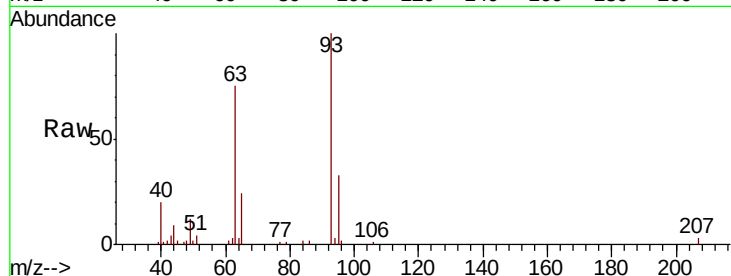
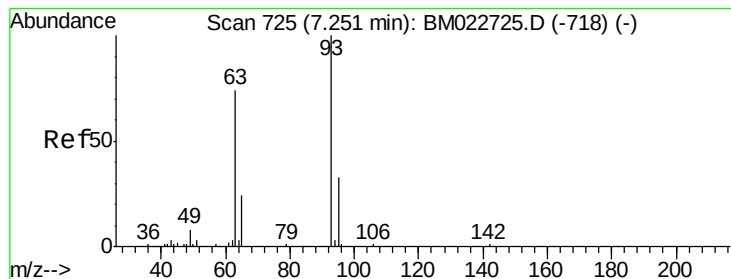
Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:	94	Resp:	71955
Ion	Ratio	Lower	Upper
94	100		
65	28.7	6.7	46.7
66	43.8	13.8	53.8





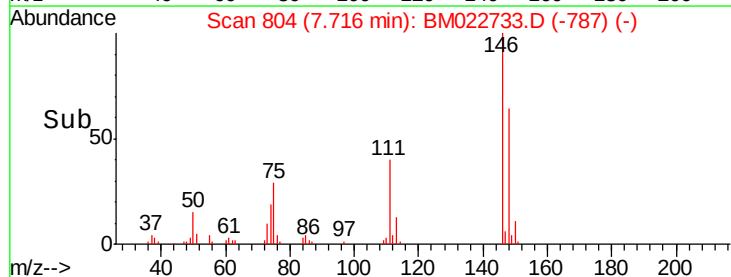
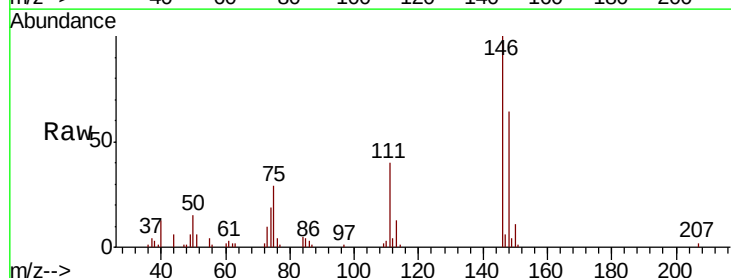
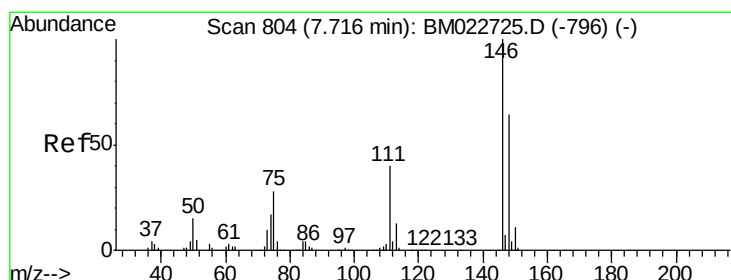
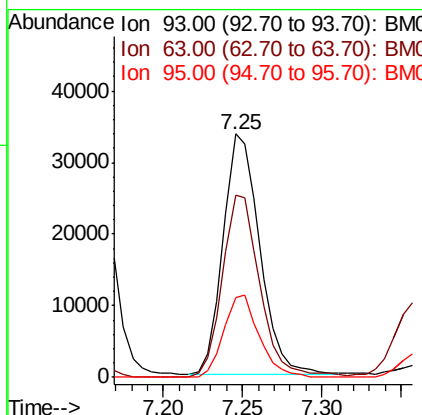
#11
bis(2-Chloroethyl)ether
Concen: 4.847 ng
RT: 7.25 min Scan# 724
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tot Ion	Ratio	Resp	Lower	Upper
93	100	54104		
63	75.0		53.8	93.8
95	32.8		12.7	52.7

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

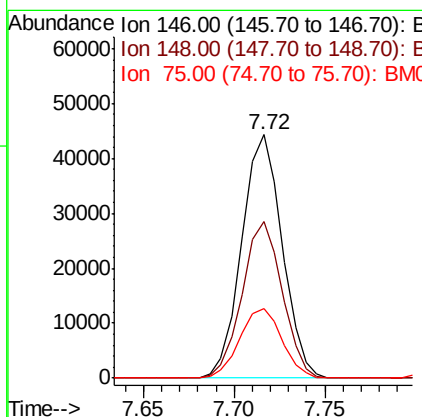
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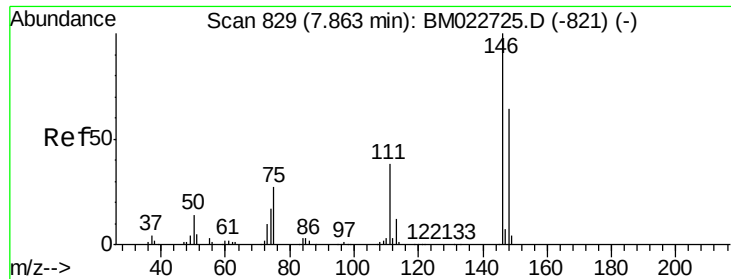
mohammad
9/24/2019 8:34:49 AM



#12
1,3-Dichlorobenzene
Concen: 4.803 ng
RT: 7.72 min Scan# 804
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	68727		
148	64.5		51.3	76.9
75	28.8		22.5	33.7





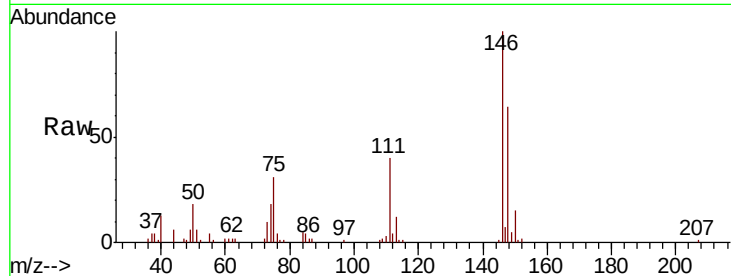
#13
 1,4-Dichlorobenzene
 Concen: 4.836 ng
 RT: 7.86 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.0
111	39.7	30.9	46.3

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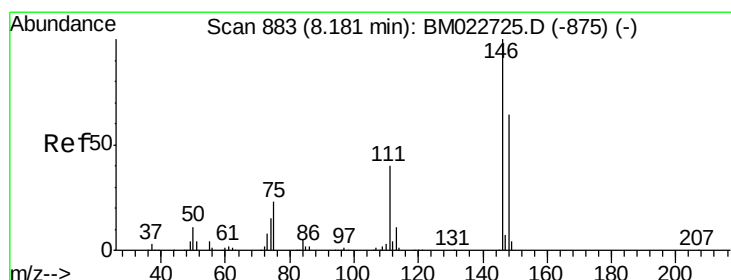
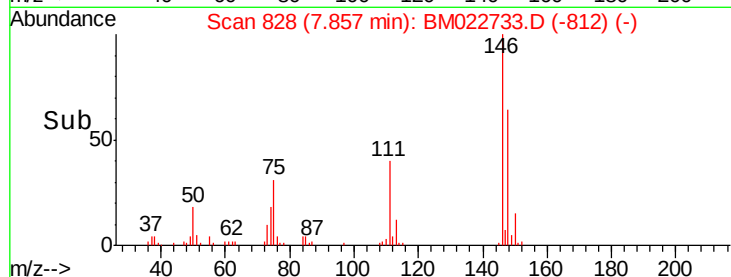
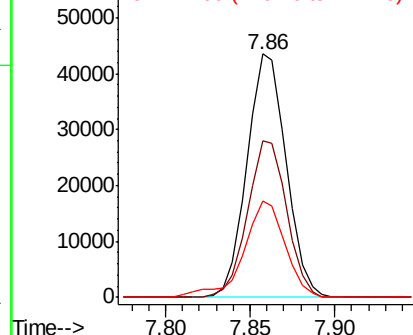


Abundance

Ion 146.00 (145.70 to 146.70): E

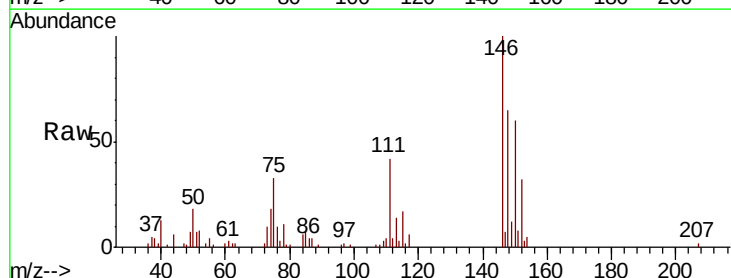
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 4.799 ng
 RT: 8.17 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
111	41.6	32.3	48.5

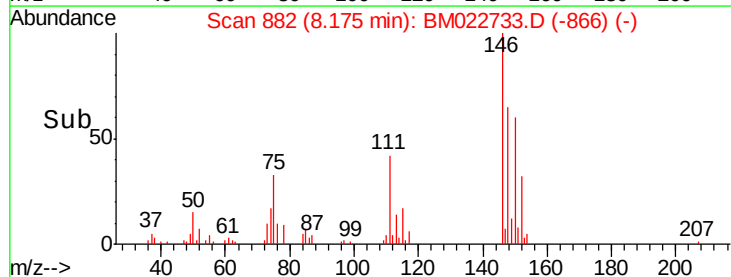
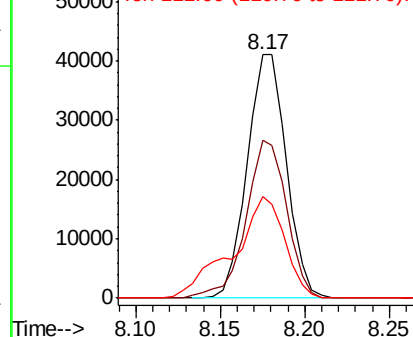


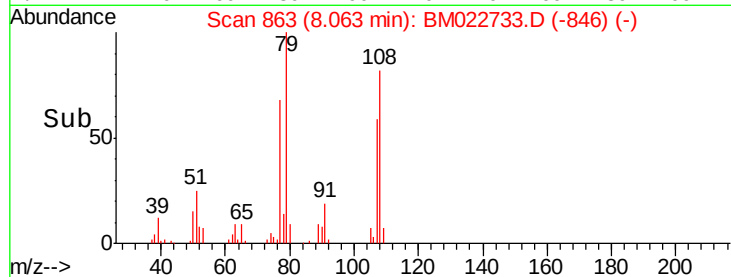
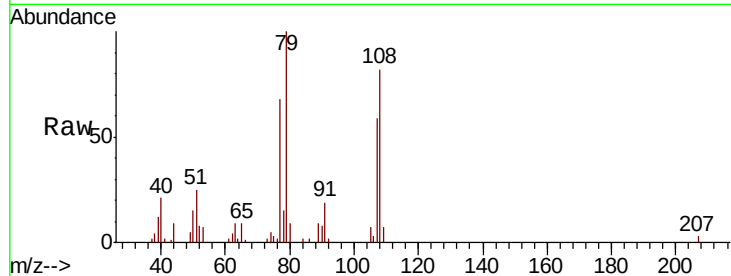
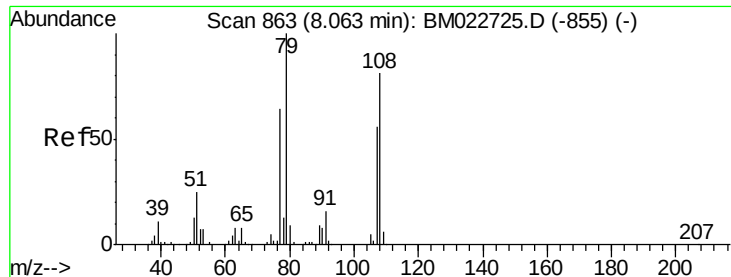
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





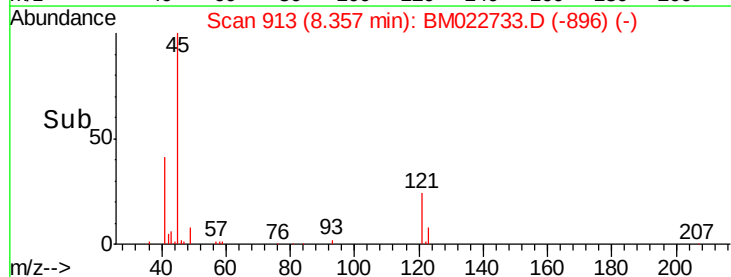
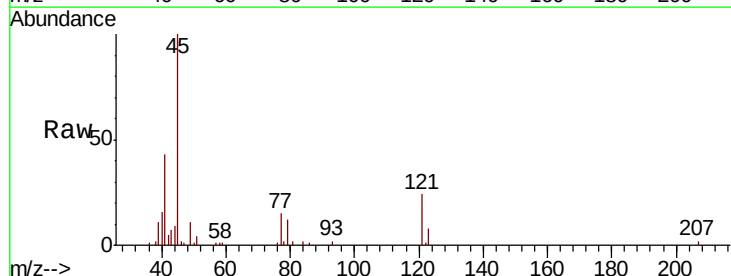
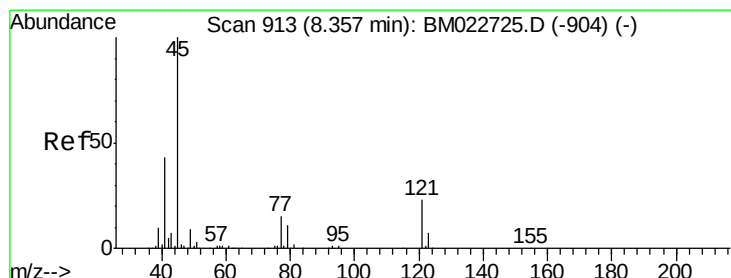
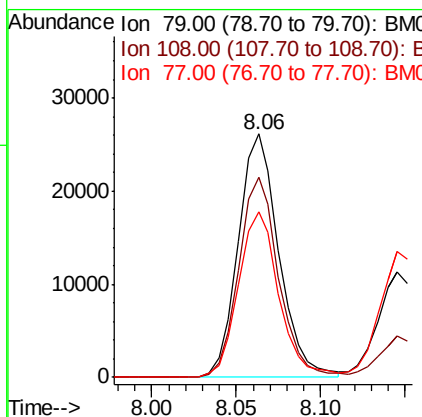
#15
Benzyl Alcohol
Concen: 4.631 ng
RT: 8.06 min Scan# 863
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	82.3	64.9	97.3	
77	67.9	51.1	76.7	

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

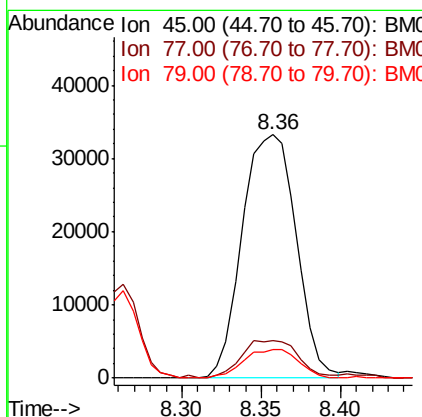
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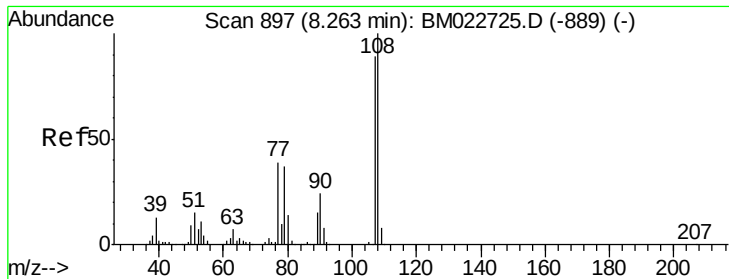
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.842 ng
RT: 8.36 min Scan# 913
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	15.3	0.0	35.1	
79	11.7	0.0	31.4	





#17

2-Methylphenol

Concen: 4.532 ng

RT: 8.26 min Scan# 897

Delta R.T. 0.00 min

Lab File: BM022733.D

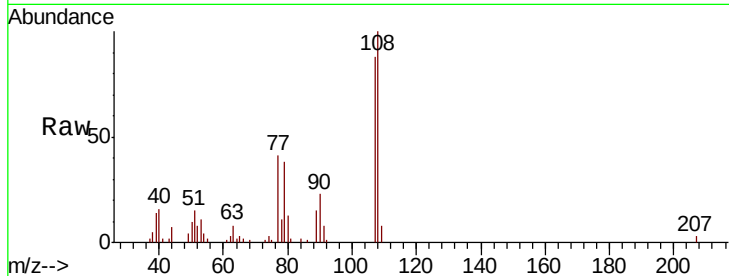
Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

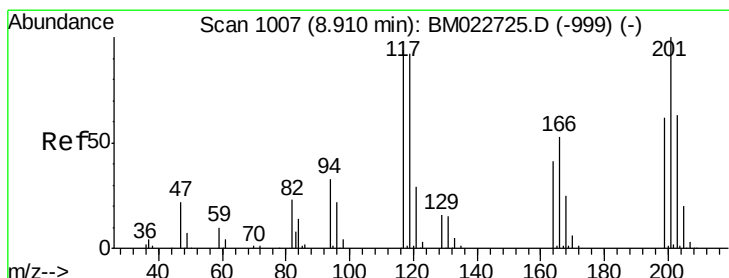
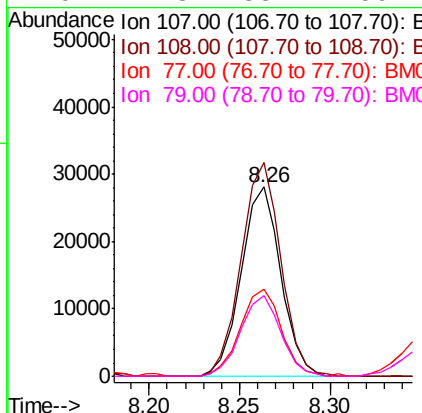
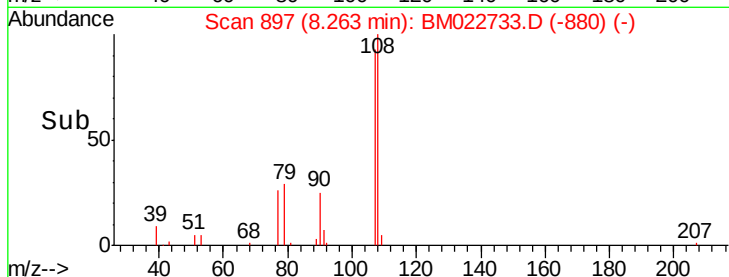
LOD-MDL-SOIL-01-QT3-2019



Tot Ion:	107	Resp:	42626
Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.0	135.0
77	46.0	35.2	52.8
79	42.8	33.4	50.2

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#18

Hexachloroethane

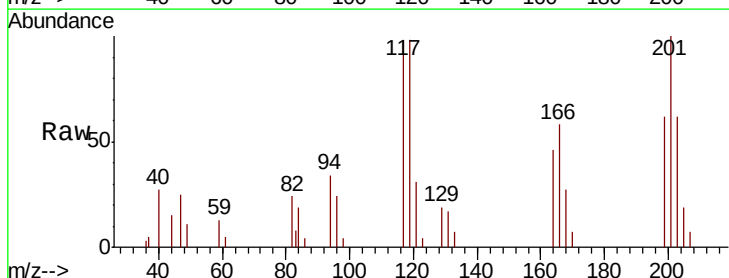
Concen: 4.614 ng

RT: 8.90 min Scan# 1006

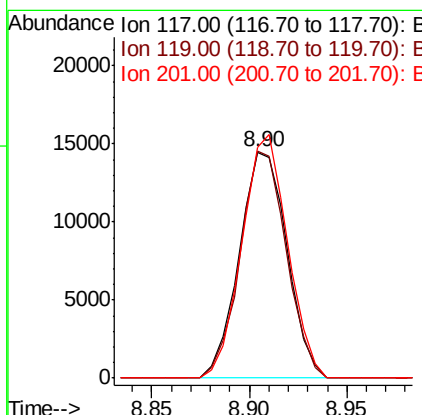
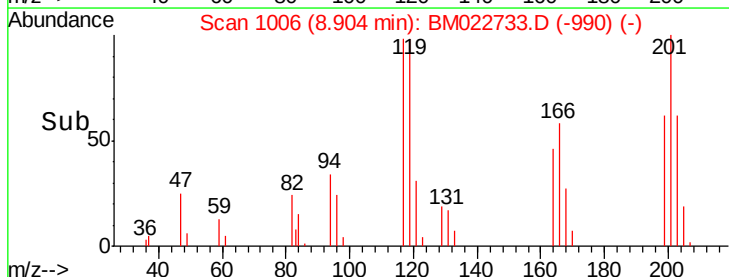
Delta R.T. -0.01 min

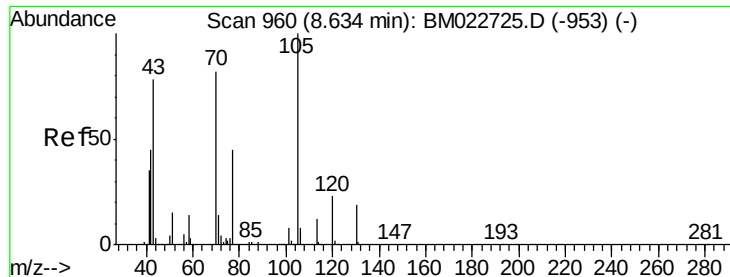
Lab File: BM022733.D

Acq: 20 Sep 2019 19:43



Tgt Ion:	117	Resp:	24515
Ion	Ratio	Lower	Upper
117	100		
119	100.7	78.0	117.0
201	102.2	85.0	127.6





#19

n-Nitroso-di-n-propylamine

Concen: 4.624 ng

RT: 8.63 min Scan# 959

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

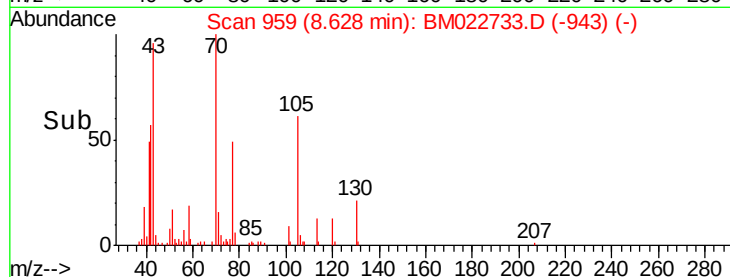
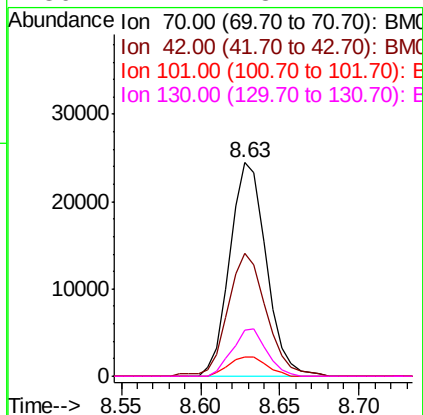
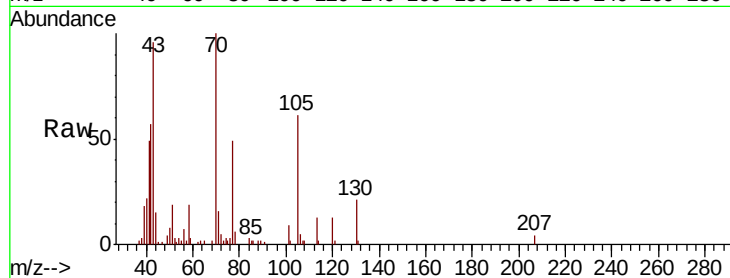
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	57.3	44.4	66.6	
101	9.3	7.8	11.6	
130	21.4	18.2	27.4	

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#20

3+4-Methylphenols

Concen: 4.446 ng

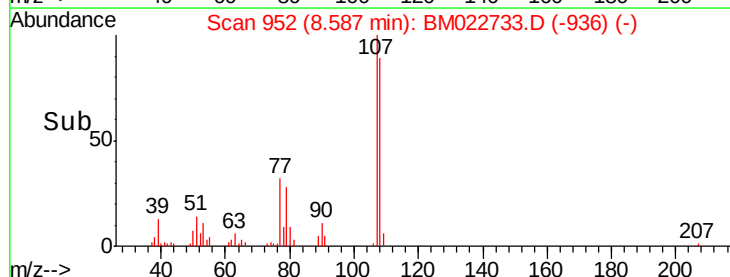
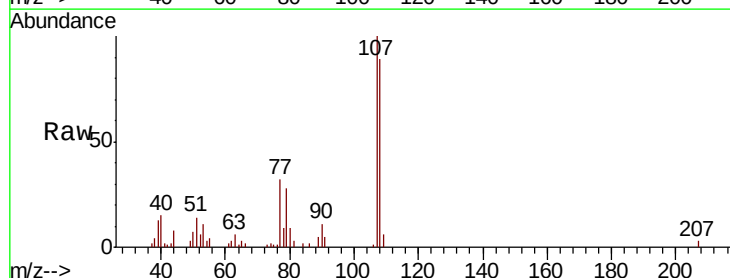
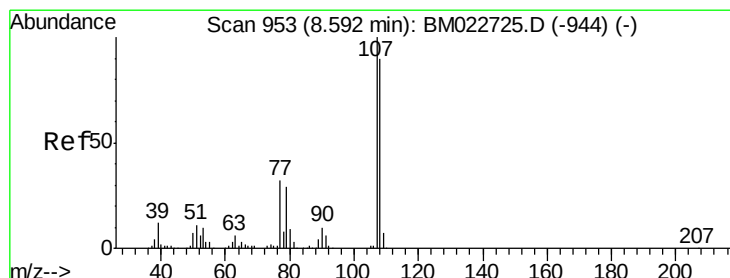
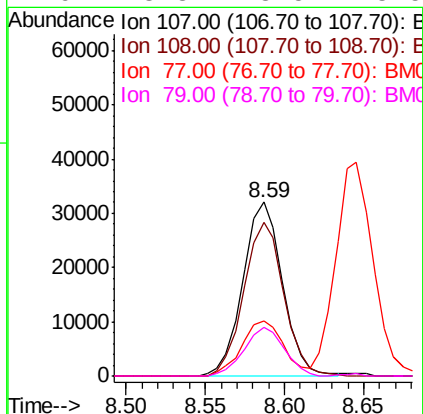
RT: 8.59 min Scan# 952

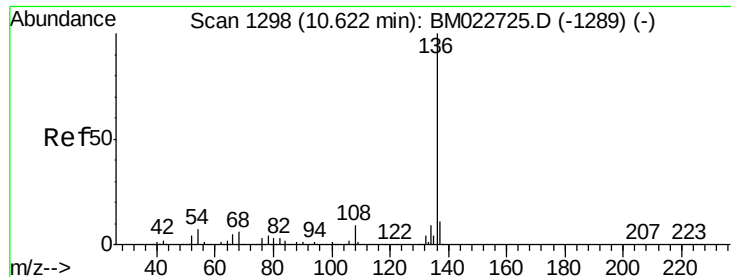
Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.5	70.1	110.1	
77	31.9	12.1	52.1	
79	28.3	8.5	48.5	





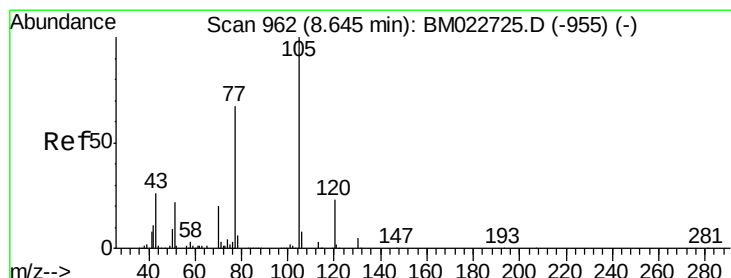
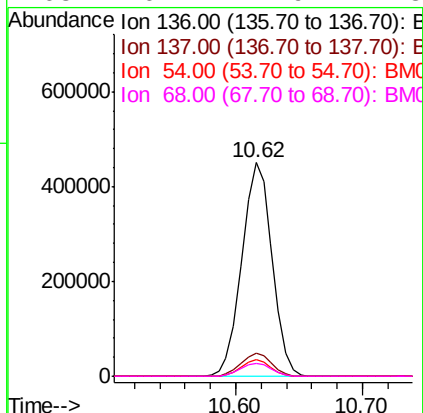
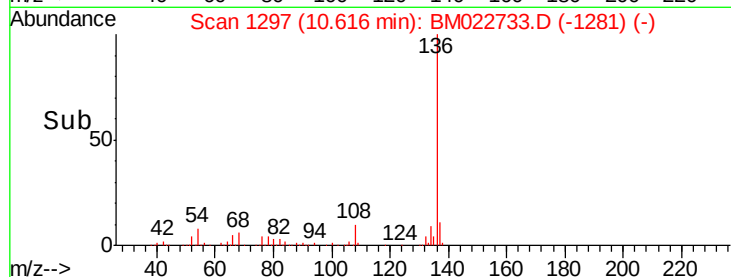
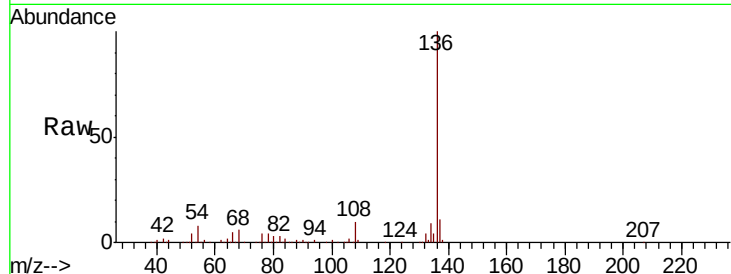
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100	744549		
137	11.1	8.6	13.0	
54	7.6	6.0	9.0	
68	6.2	4.9	7.3	

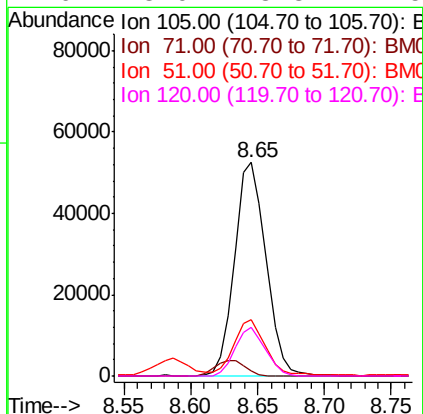
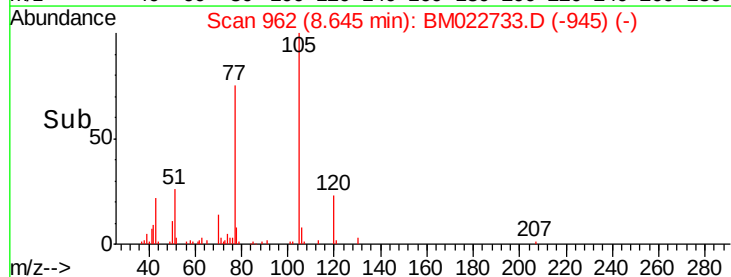
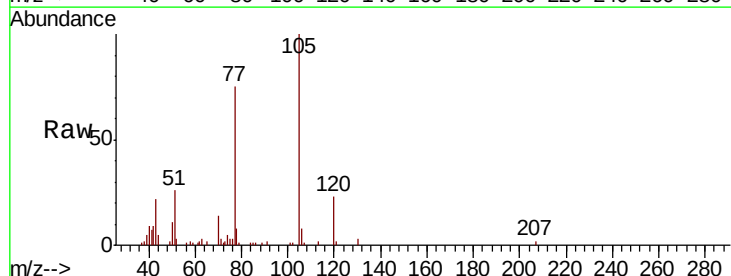
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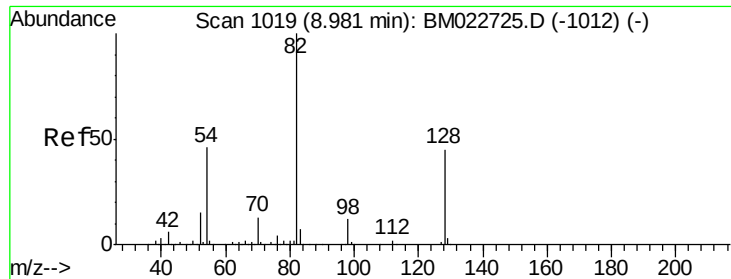
mohammad
9/24/2019 8:34:49 AM



#22
Acetophenone
Concen: 4.698 ng
RT: 8.65 min Scan# 962
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	86336		
71	2.6	2.7	4.1#	
51	26.4	19.9	29.9	
120	23.0	18.3	27.5	





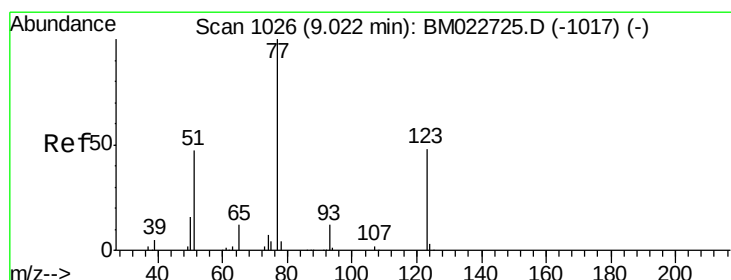
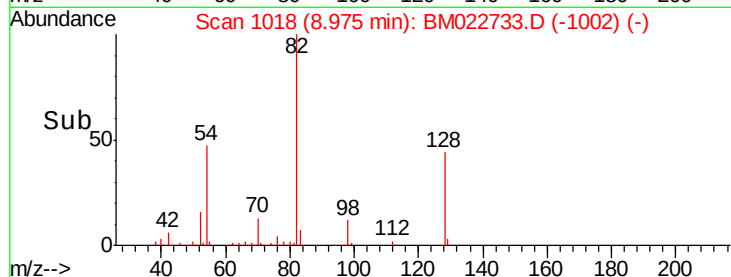
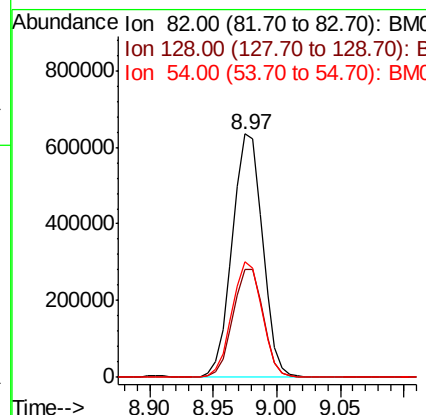
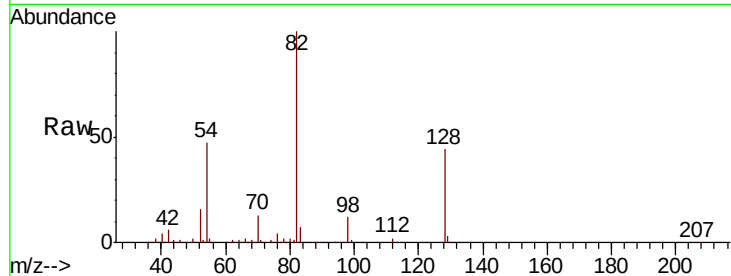
#23
 Nitrobenzene-d5
 Concen: 78.279 ng
 RT: 8.97 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.0	54.0
54	47.4	37.1	55.7

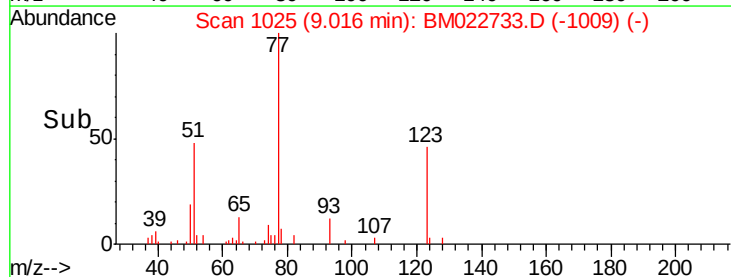
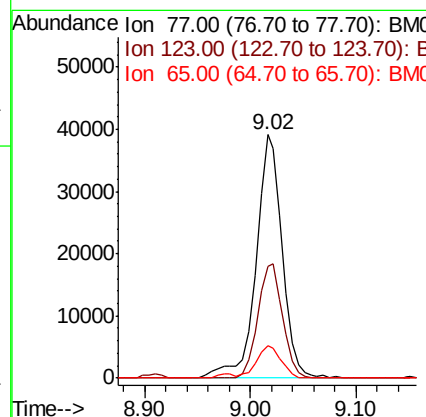
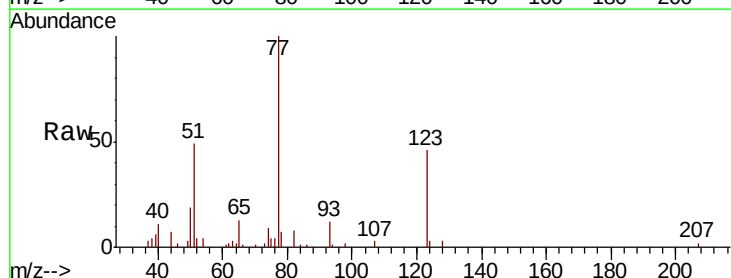
Manual Integrations
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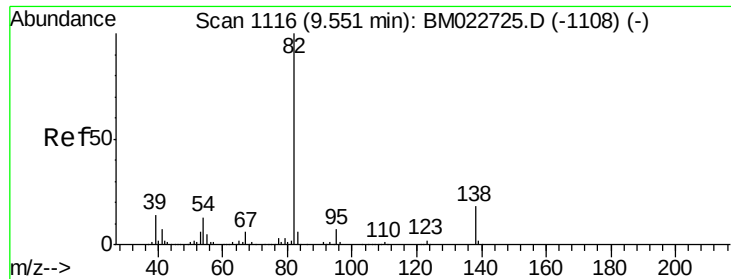
mohammad
 9/24/2019 8:34:49 AM



#24
 Nitrobenzene
 Concen: 5.267 ng
 RT: 9.02 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.1	38.0	57.0
65	13.3	10.0	15.0





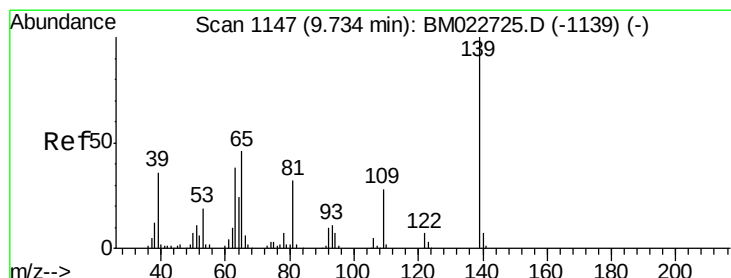
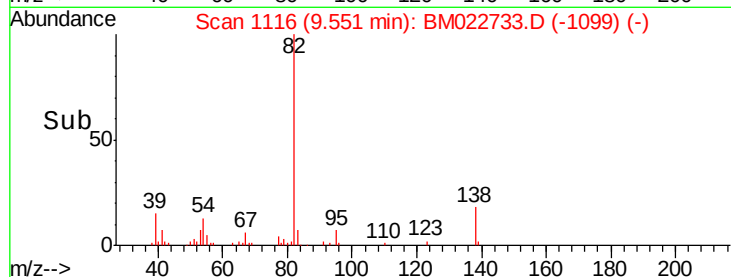
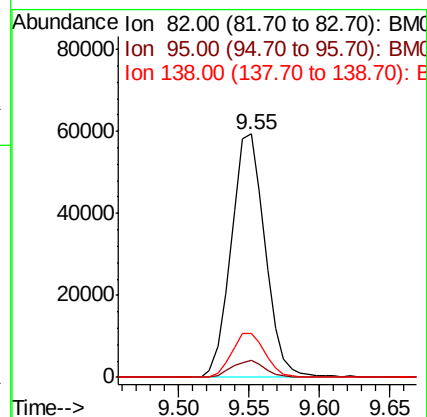
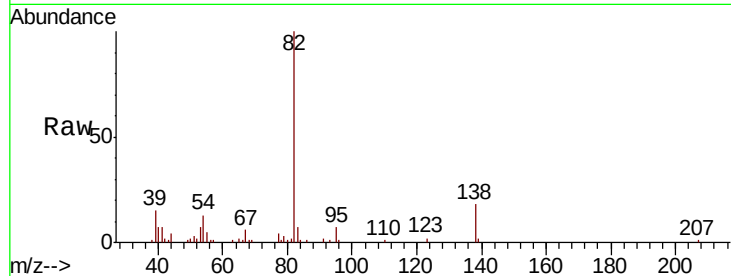
#25
Isophorone
Concen: 4.503 ng
RT: 9.55 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
82	100	99308		
95	7.3		5.4	8.0
138	18.0		14.7	22.1

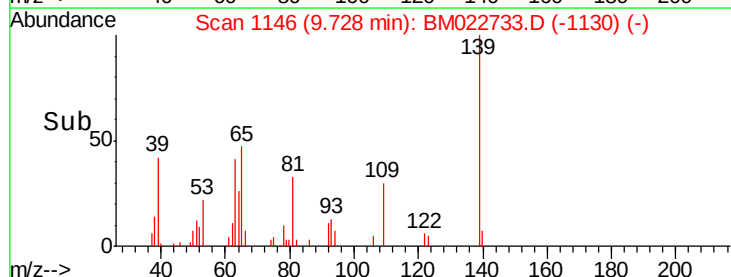
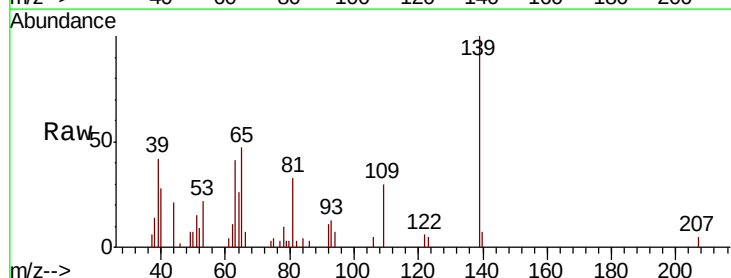
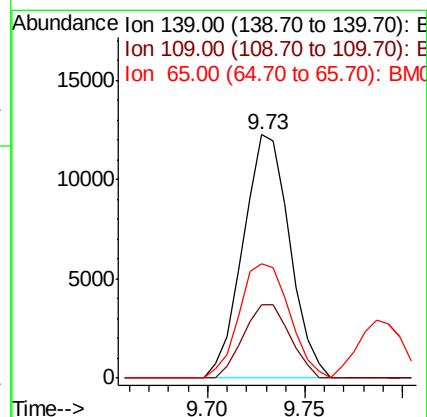
Manual Integrations
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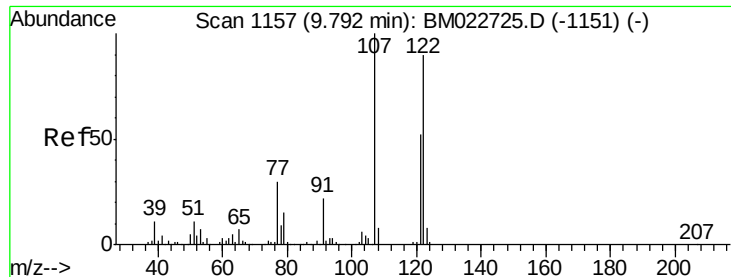
mohammad
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#26
2-Nitrophenol
Concen: 3.669 ng
RT: 9.73 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	20327		
109	30.0		22.6	33.8
65	47.1		37.0	55.4





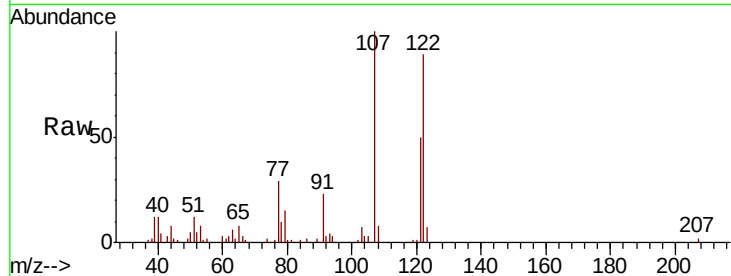
#27
2,4-Dimethylphenol
Concen: 5.121 ng
RT: 9.79 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.5	88.9	133.3
121	56.4	46.5	69.7

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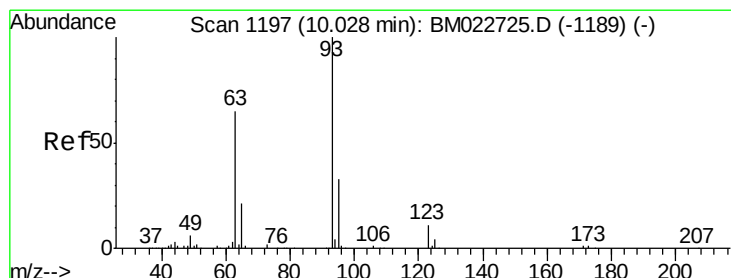
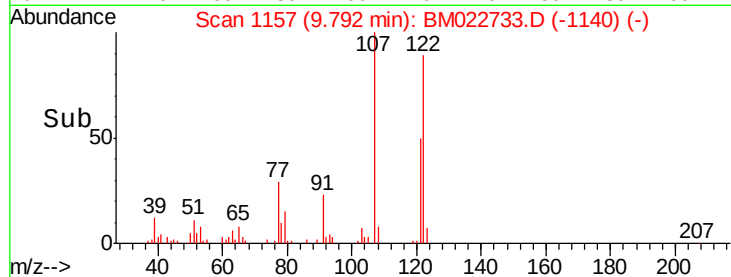
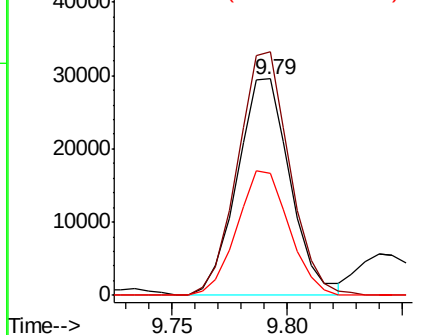


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 4.631 ng
RT: 10.03 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

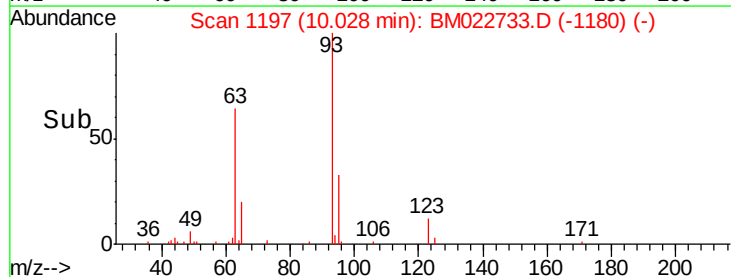
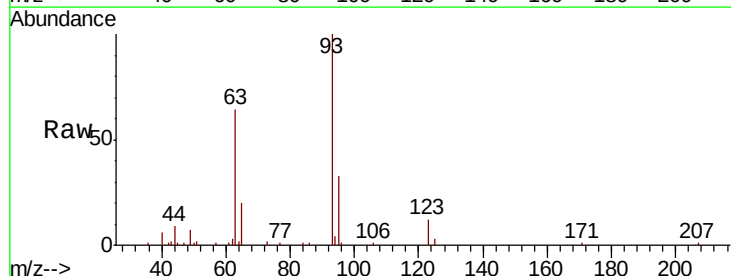
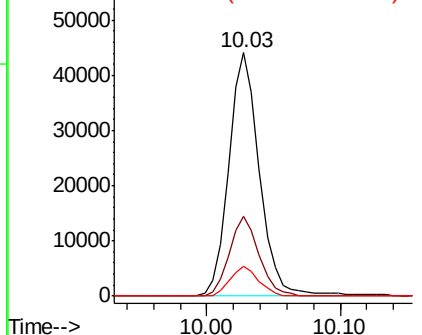
Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.0	39.0
123	12.1	9.0	13.6

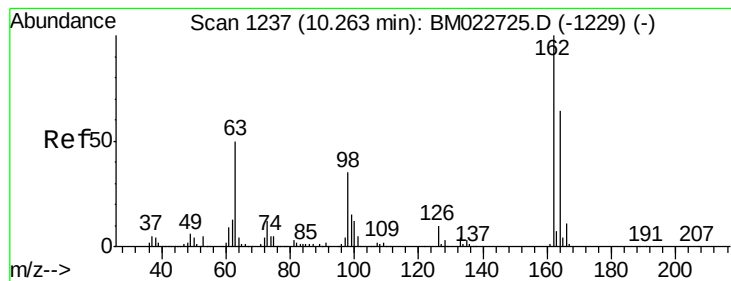
Abundance

Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 4.132 ng

RT: 10.26 min Scan# 1237

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

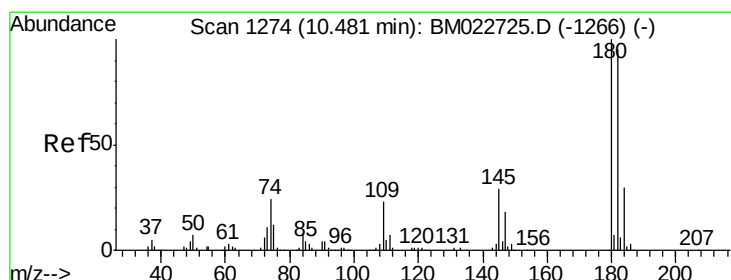
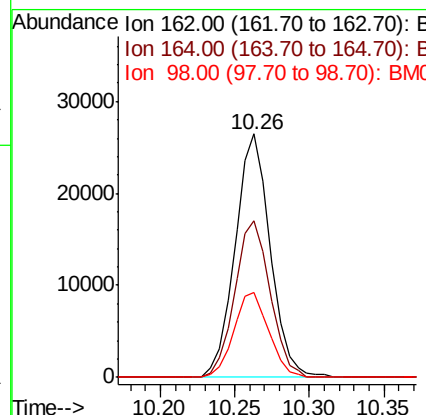
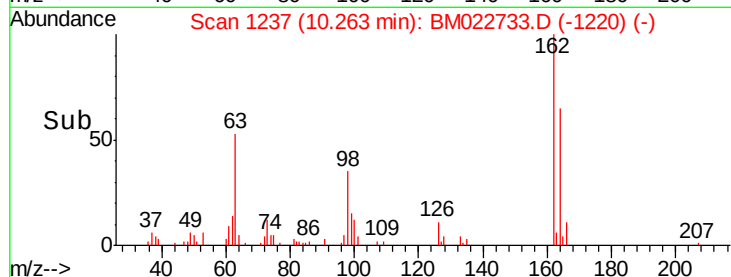
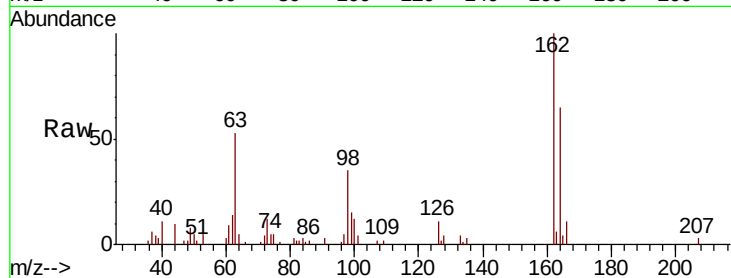
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	162	Resp:	43331
Ion Ratio	Lower	Upper	
162	100		
164	64.6	44.4	84.4
98	35.1	14.8	54.8

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#30

1,2,4-Trichlorobenzene

Concen: 4.703 ng

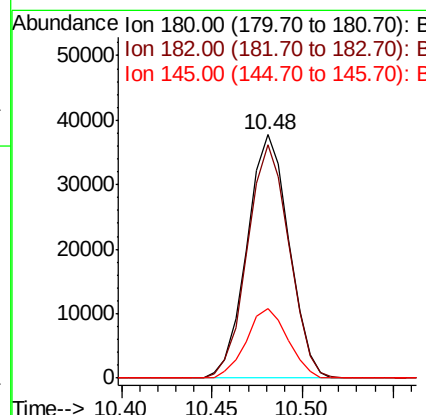
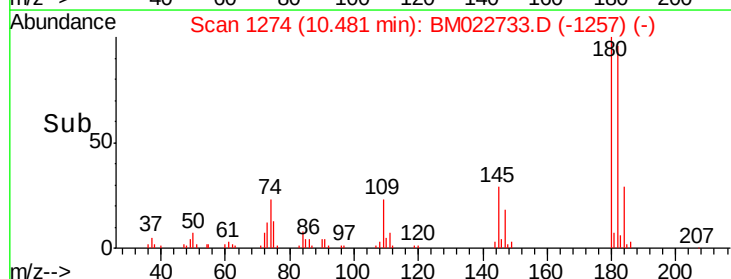
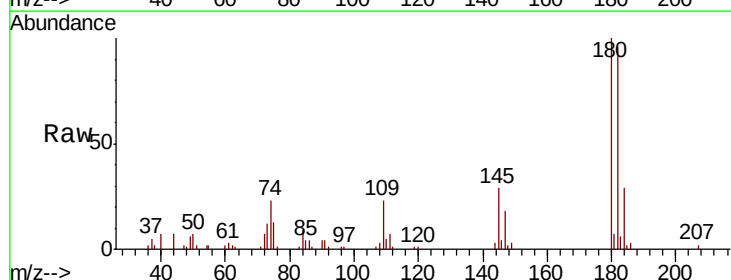
RT: 10.48 min Scan# 1274

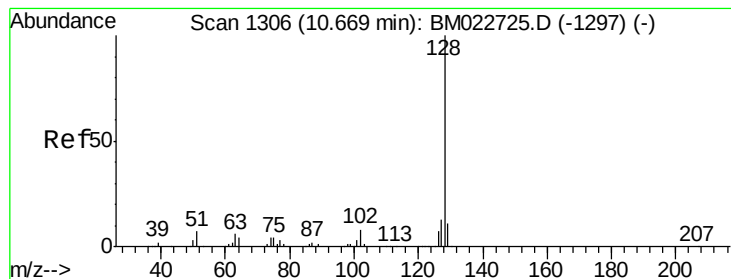
Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:	180	Resp:	60674
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.2	114.2
145	28.7	23.0	34.4





#31

Naphthalene

Concen: 4.990 ng

RT: 10.66 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

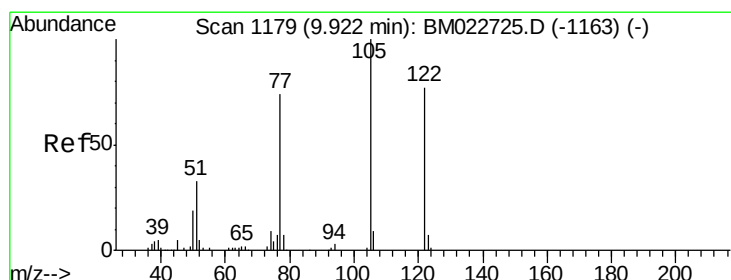
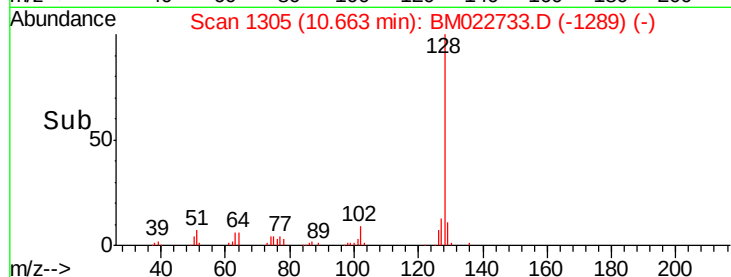
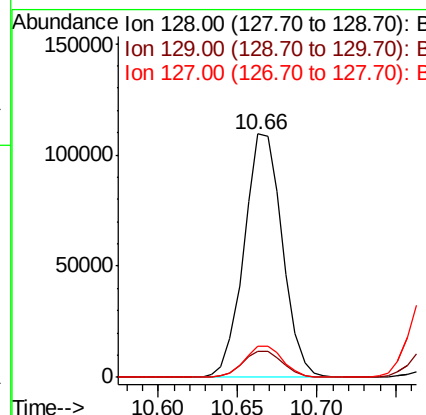
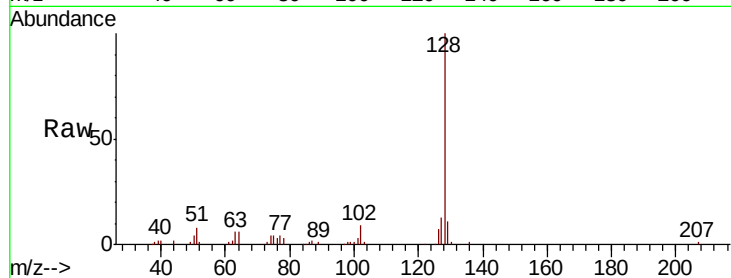
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	128	Resp:	183563
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.8	13.2
127	12.6	10.2	15.4

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#32

Benzoic acid

Concen: 2.095 ng m

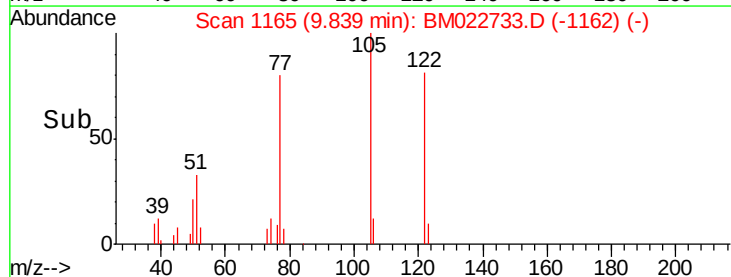
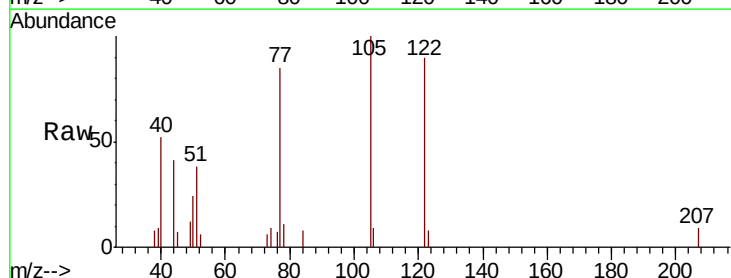
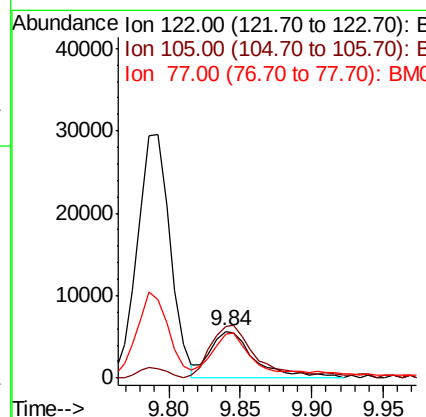
RT: 9.84 min Scan# 1165

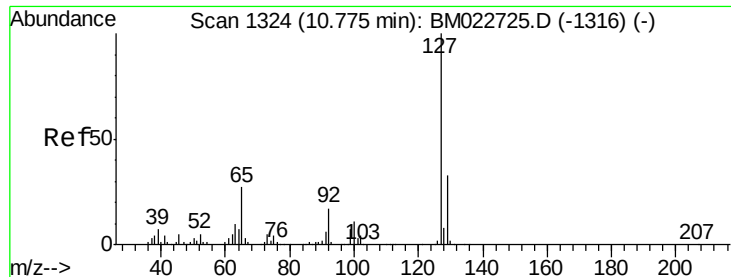
Delta R.T. -0.08 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:	122	Resp:	12506
Ion Ratio	Lower	Upper	
122	100		
105	111.3	105.3	145.3
77	94.8	74.7	114.7





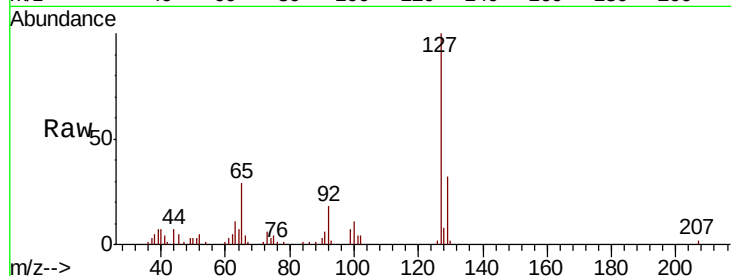
#33
4-Chloroaniline
Concen: 4.542 ng
RT: 10.77 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.8	26.1	39.1	
65	28.9	22.0	33.0	
92	17.6	13.8	20.8	

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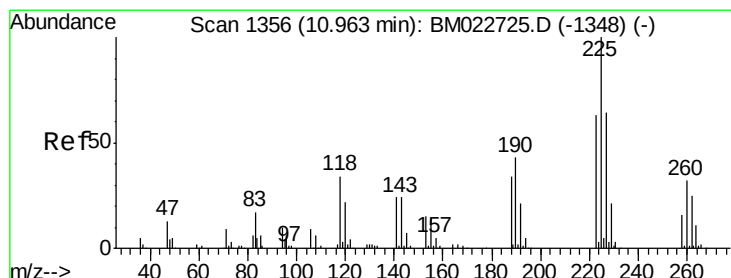
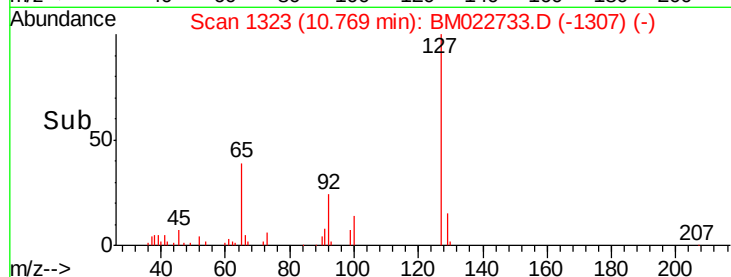
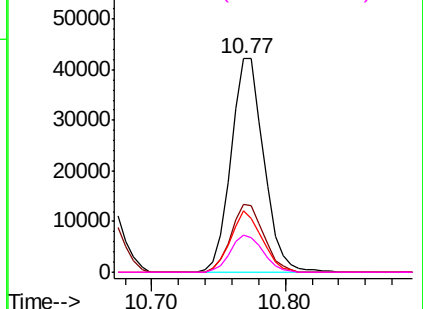
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

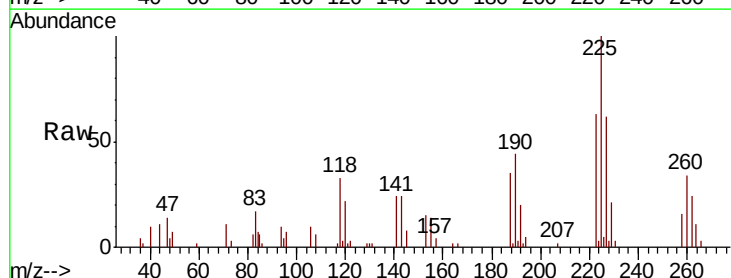
Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34
Hexachlorobutadiene
Concen: 4.523 ng
RT: 10.96 min Scan# 1356
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	50.2	75.4	
227	64.9	51.0	76.4	

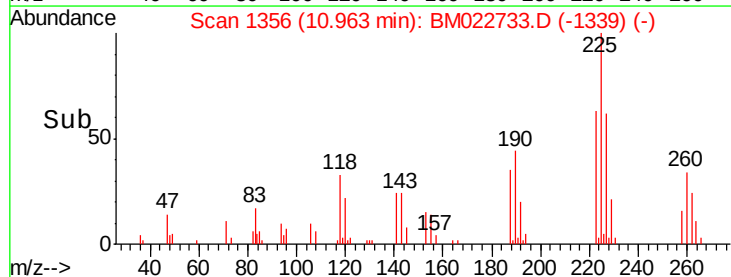
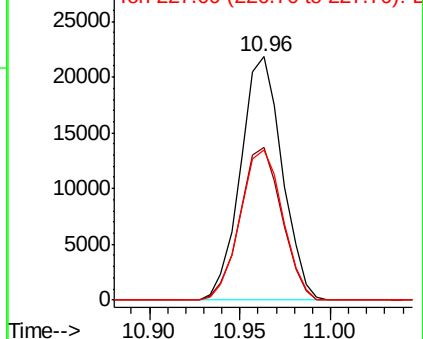


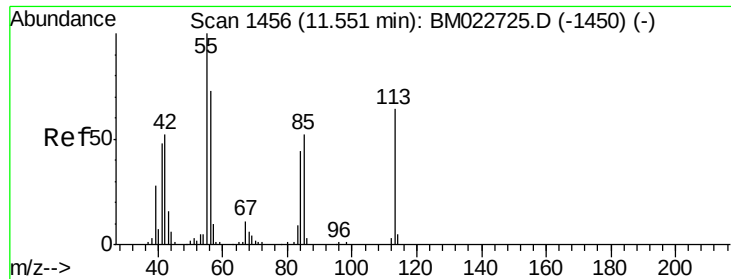
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





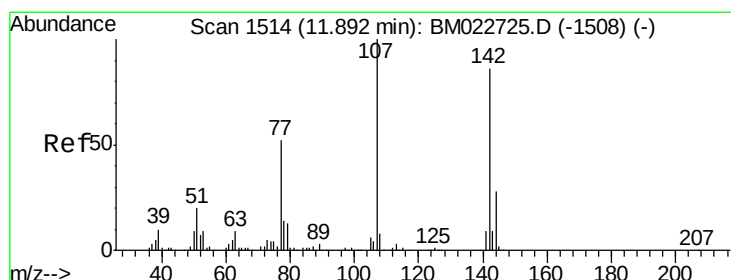
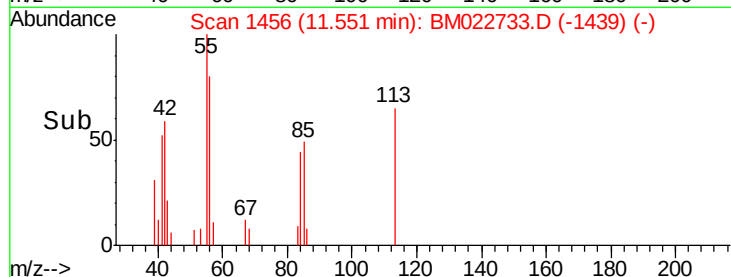
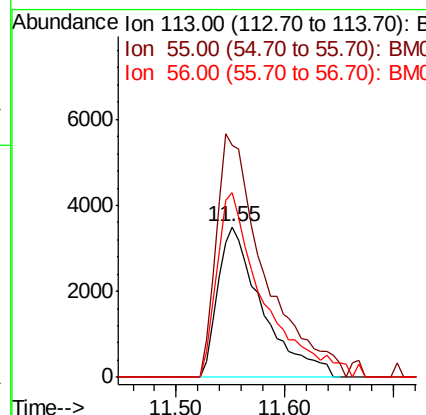
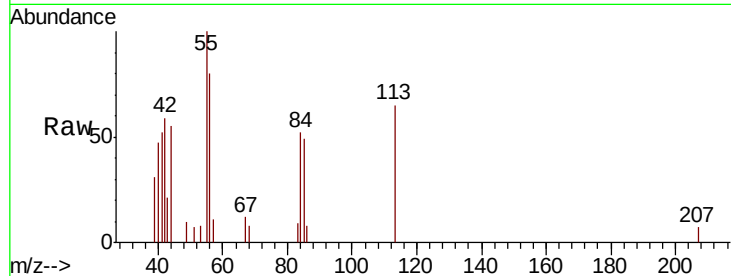
#35
 Caprolactam
 Concen: 3.203 ng/ml
 RT: 11.55 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
113	100		
55	154.7	136.8	176.8
56	123.3	95.2	135.2

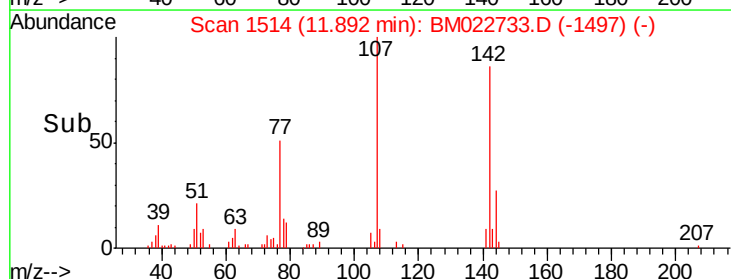
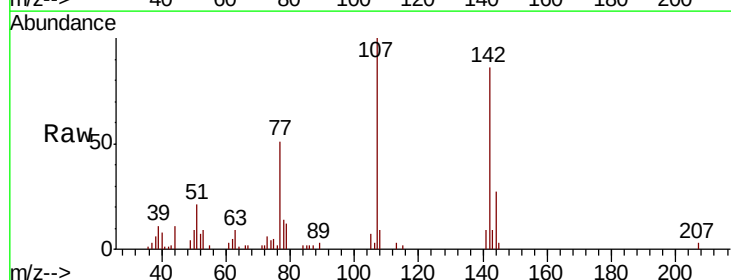
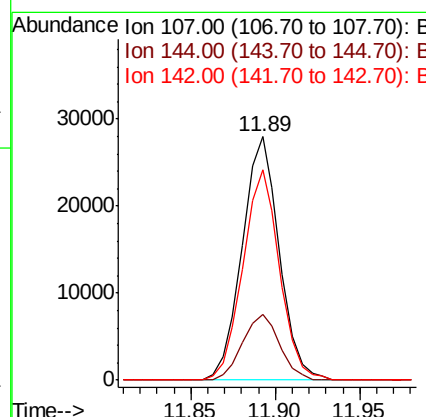
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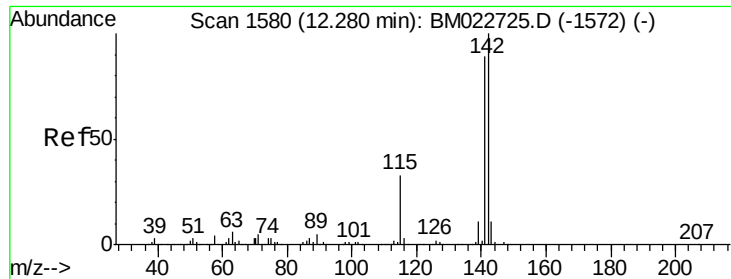
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#36
 4-Chloro-3-methylphenol
 Concen: 4.175 ng/ml
 RT: 11.89 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.1	22.4	33.6
142	86.3	68.2	102.4





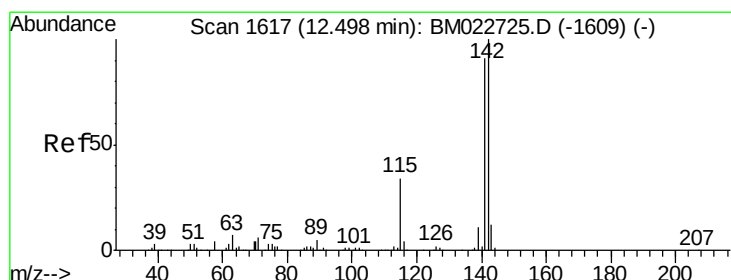
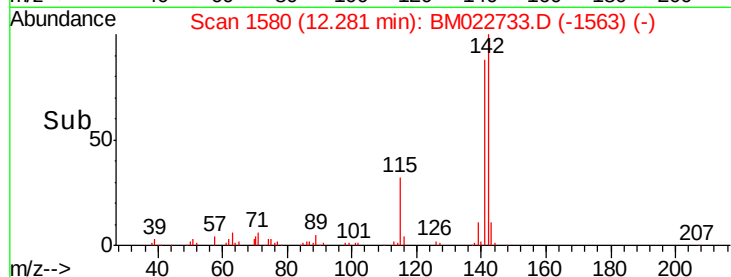
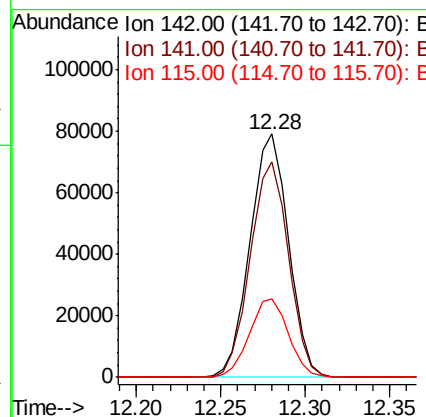
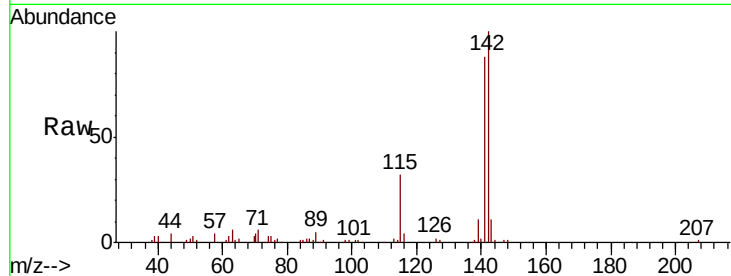
#37
2-Methylnaphthalene
Concen: 4.912 ng
RT: 12.28 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.5	107.3
115	32.1	26.1	39.1

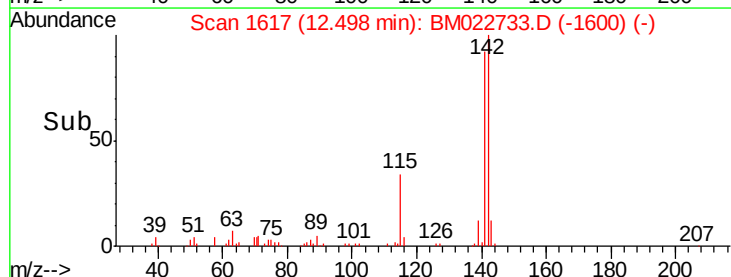
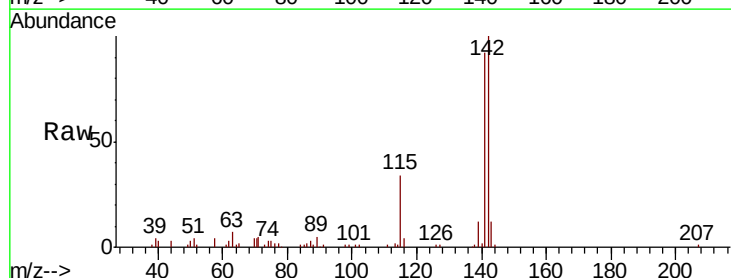
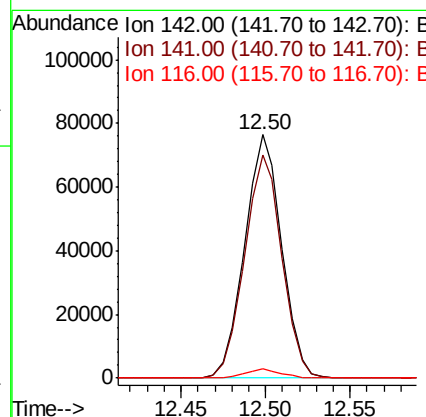
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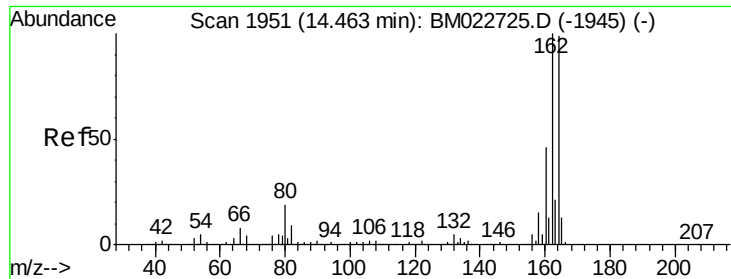
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#38
1-Methylnaphthalene
Concen: 4.783 ng
RT: 12.50 min Scan# 1617
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.0	109.4
116	3.8	2.9	4.3





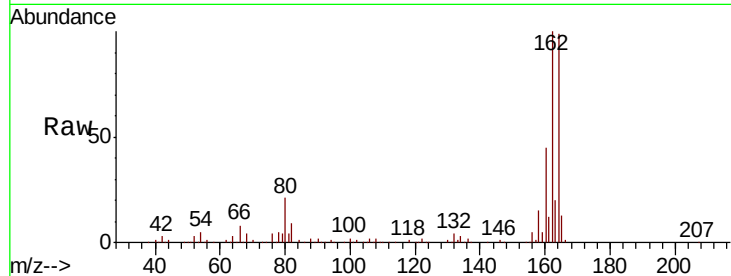
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	81.1	121.7	
160	45.5	36.9	55.3	

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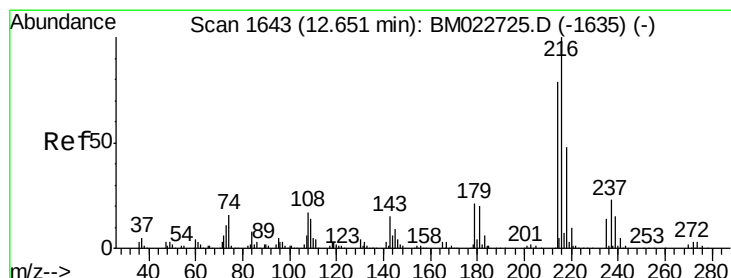
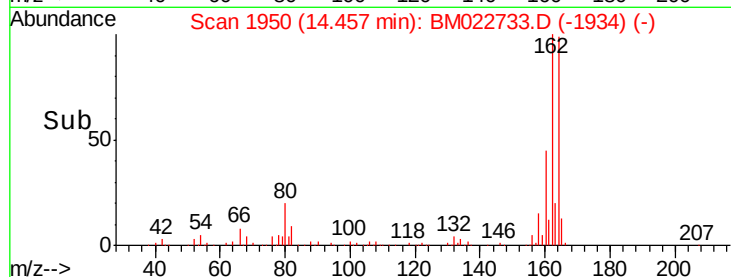
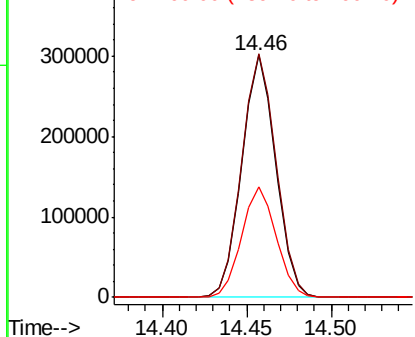


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.397 ng
RT: 12.65 min Scan# 1643
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.3	62.9	94.3	
179	21.0	16.6	24.8	
108	18.6	14.2	21.4	

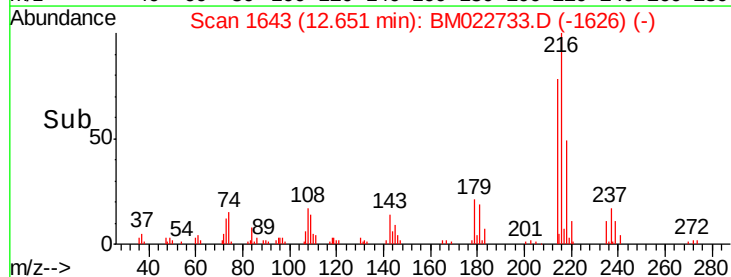
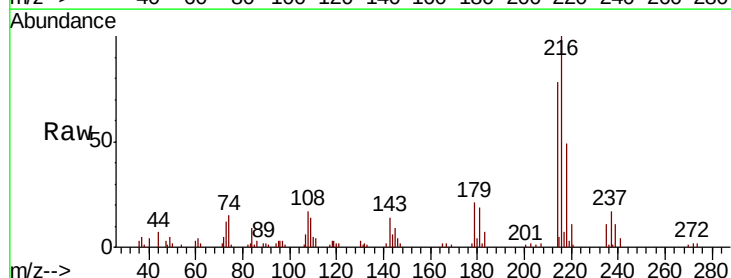
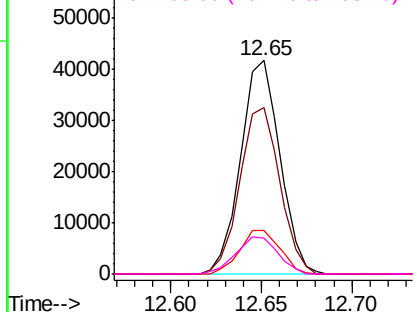
Abundance

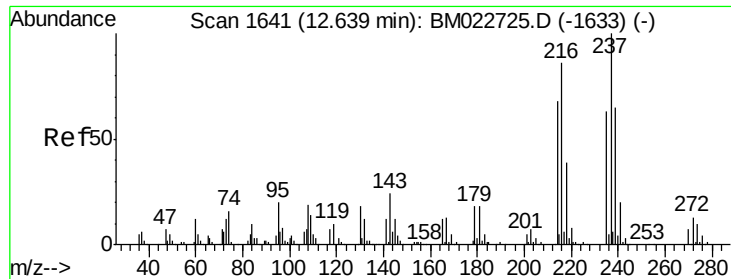
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





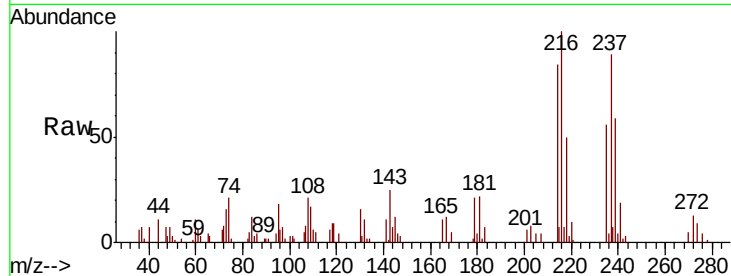
#41
Hexachlorocyclopentadiene
Concen: 4.307 ng
RT: 12.64 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

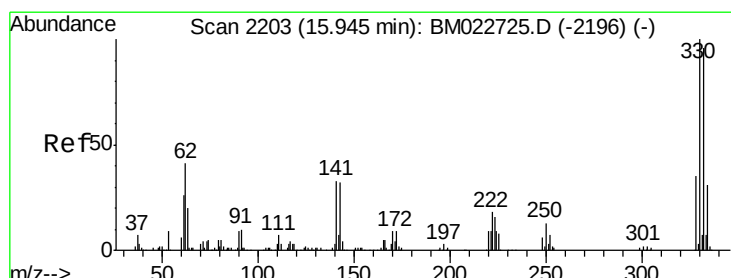
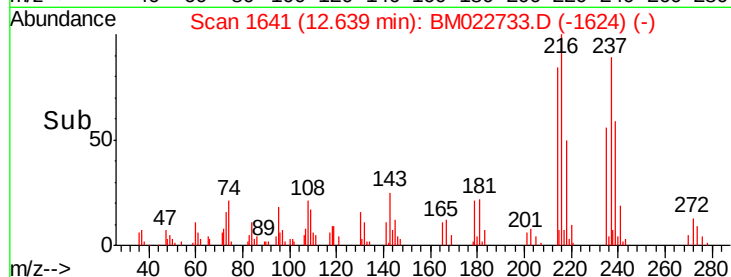
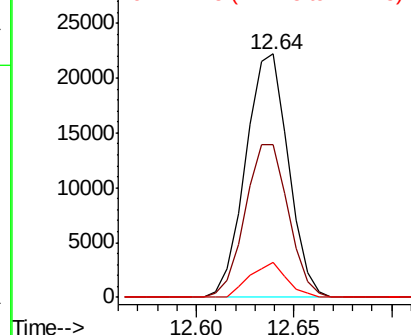
Tot Ion:	237	Resp:	33593
Ion Ratio	Lower	Upper	
237	100		
235	63.0	43.3	83.3
272	14.3	0.0	32.6

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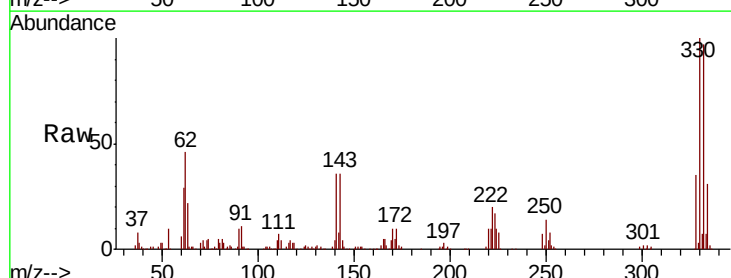


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

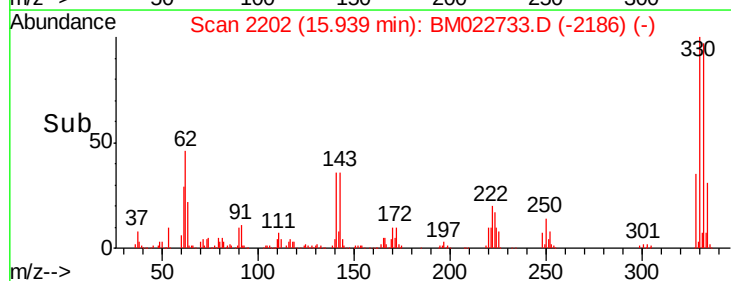
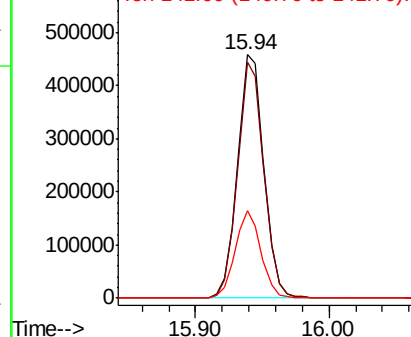


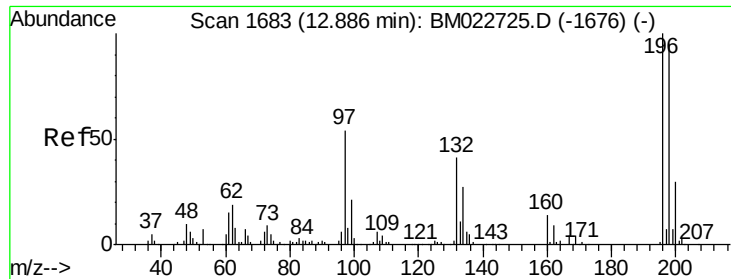
#42
2,4,6-Tribromophenol
Concen: 119.854 ng
RT: 15.94 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion:	330	Resp:	631165
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.9	115.3
141	35.2	28.6	42.8



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





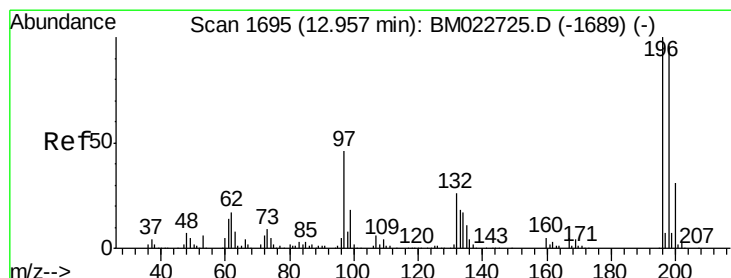
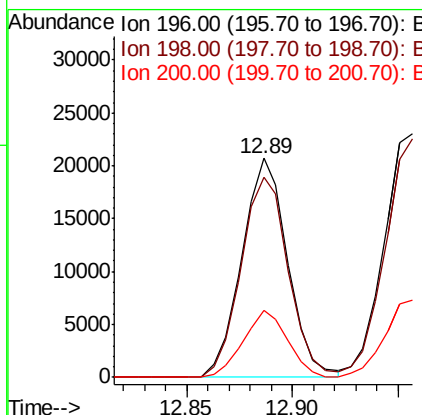
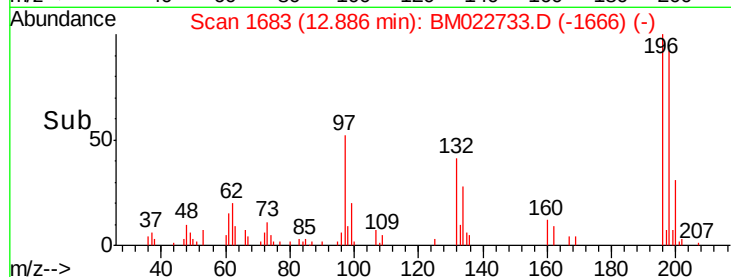
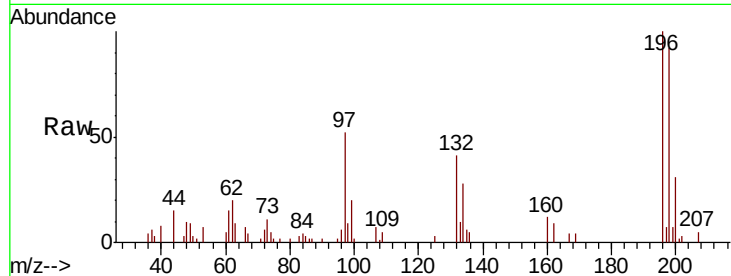
#43
 2,4,6-Trichlorophenol
 Concen: 3.781 ng
 RT: 12.89 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
196	100		
198	91.6	76.3	114.5
200	30.8	24.4	36.6

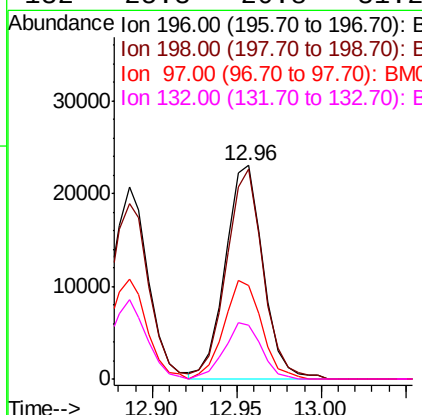
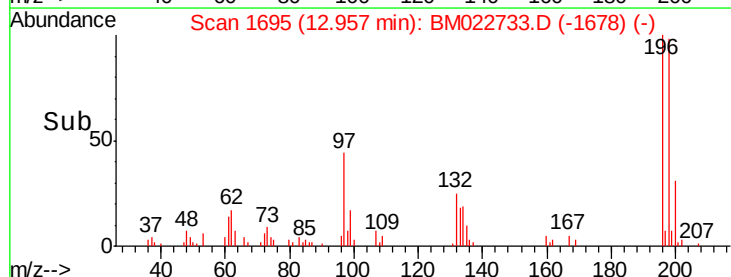
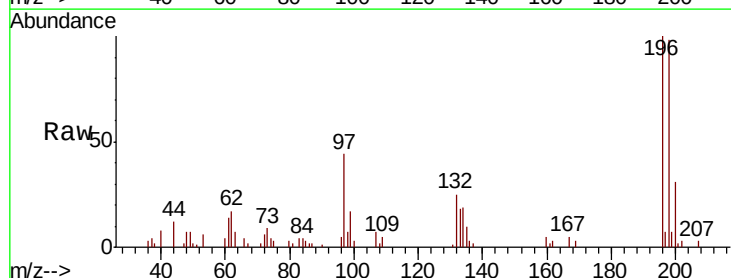
Manual Integrations
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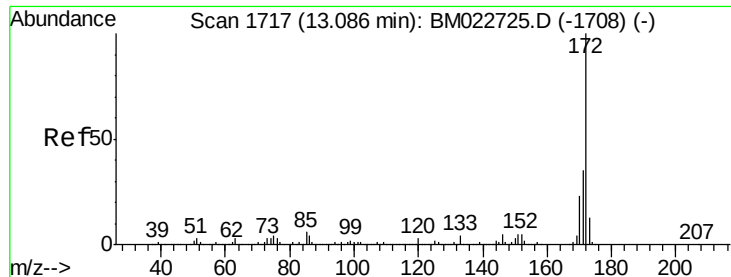
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#44
 2,4,5-Trichlorophenol
 Concen: 4.162 ng
 RT: 12.96 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.2	77.0	115.4
97	43.9	37.2	55.8
132	25.3	20.8	31.2





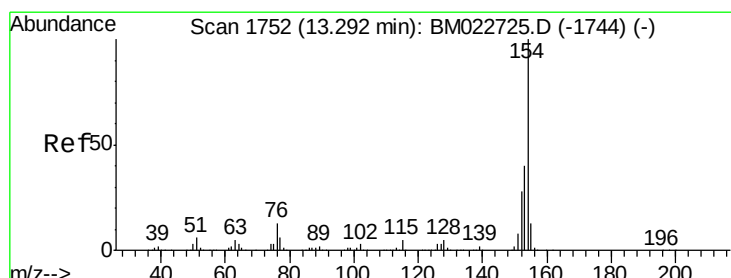
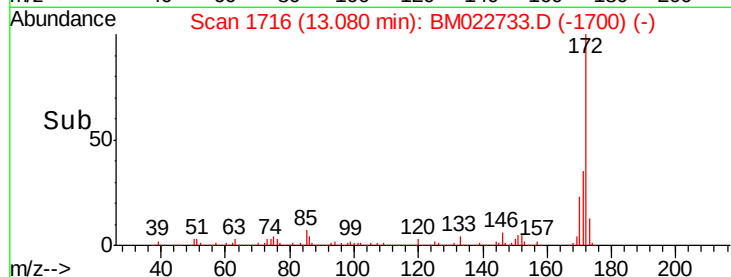
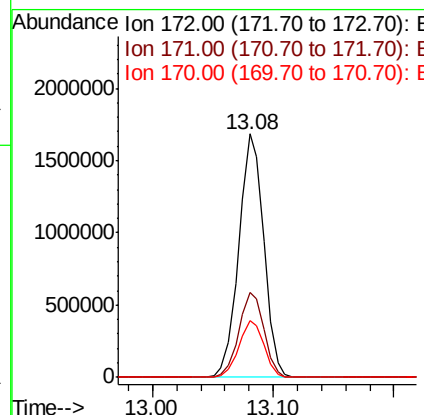
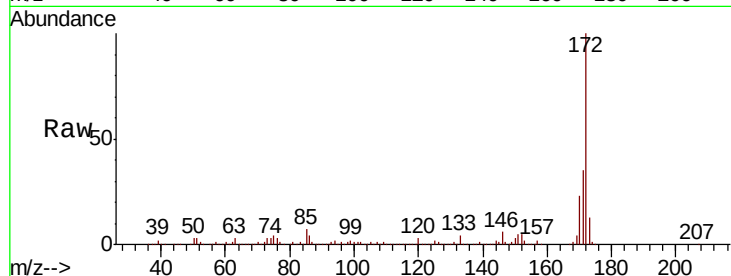
#45
2-Fluorobiphenyl
Concen: 79.007 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.8
170	23.3	18.7	28.1

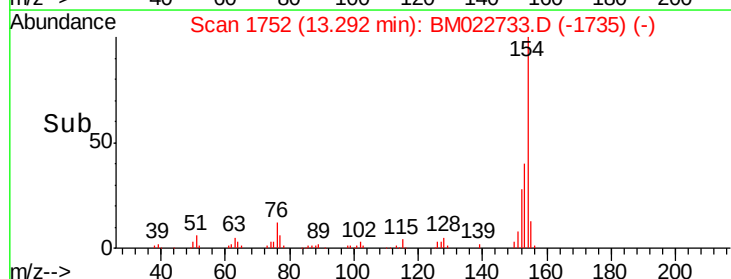
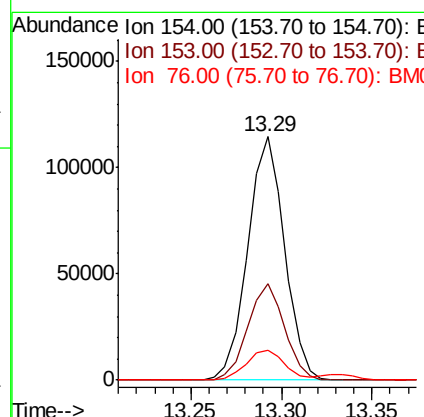
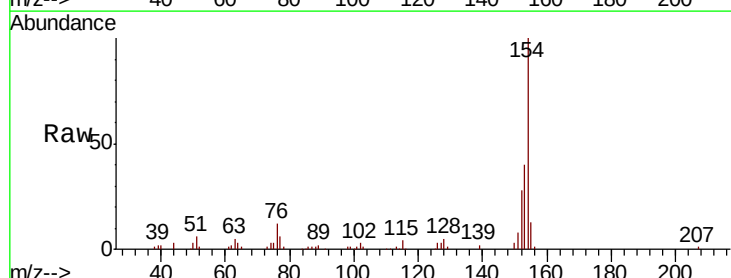
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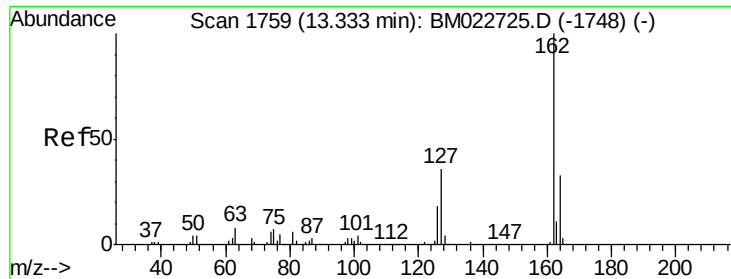
mohammad
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#46
1,1'-Biphenyl
Concen: 4.608 ng
RT: 13.29 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.1	60.1
76	12.0	0.0	32.6





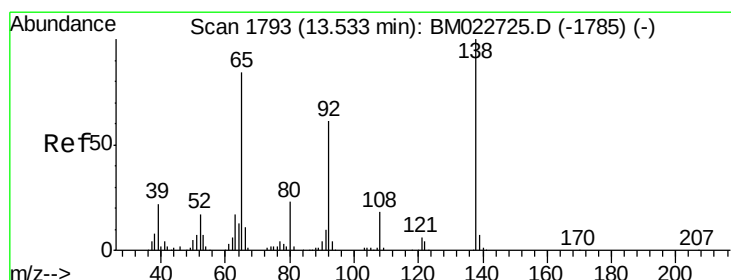
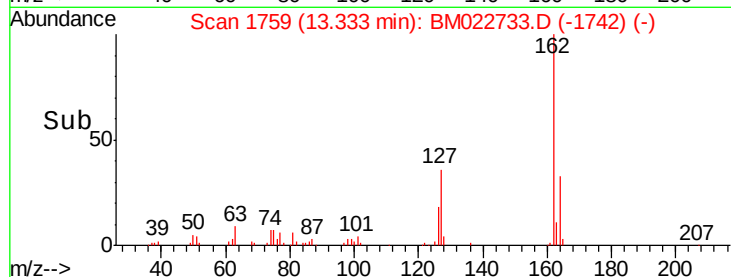
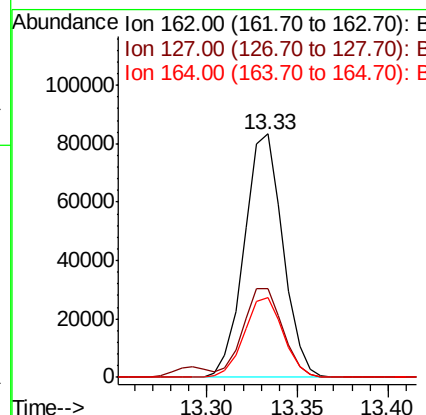
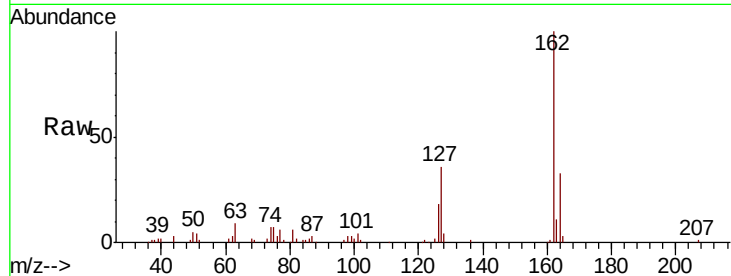
#47
2-Chloronaphthalene
Concen: 4.743 ng
RT: 13.33 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
162	100	123429		
127	36.3	29.0	43.6	
164	32.5	26.0	39.0	

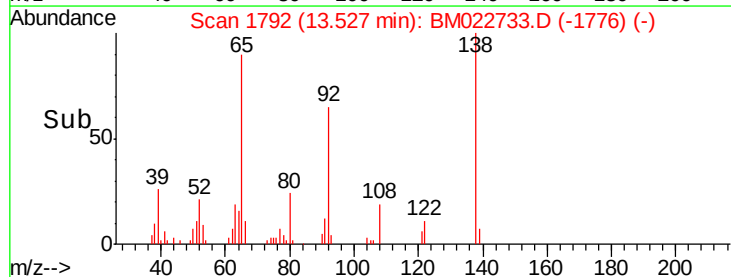
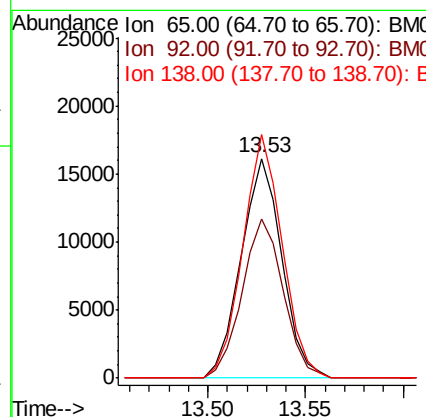
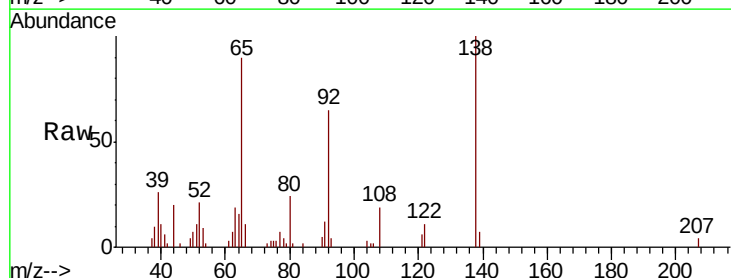
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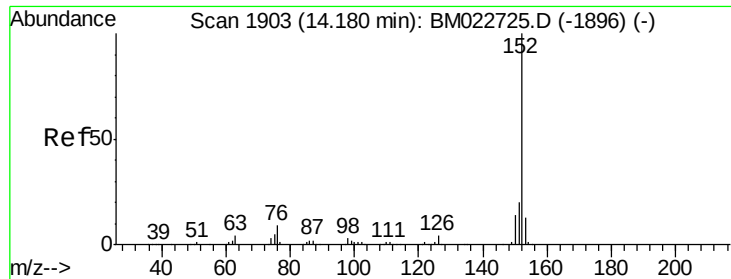
mohammad
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#48
2-Nitroaniline
Concen: 3.445 ng
RT: 13.53 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	23346		
92	72.5	58.6	87.8	
138	110.8	95.4	143.0	





#49

Acenaphthylene

Concen: 4.483 ng

RT: 14.18 min Scan# 1903

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

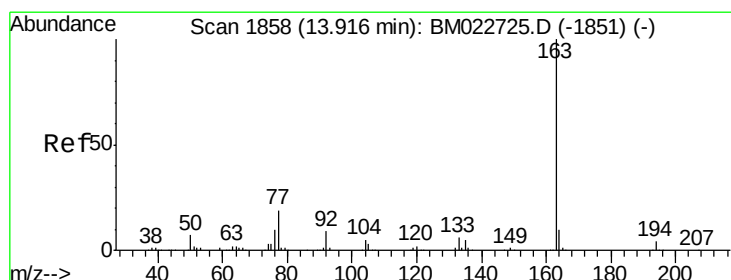
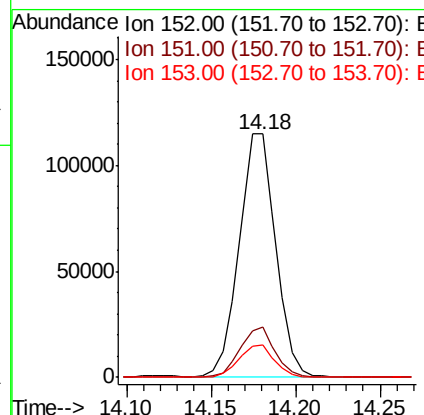
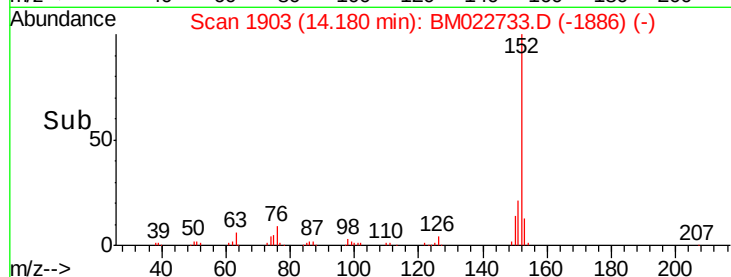
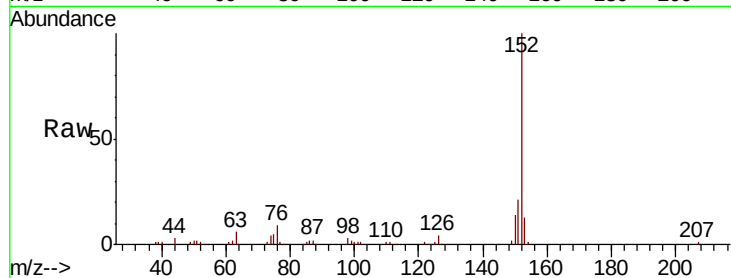
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.9	23.9
153	13.1	10.5	15.7

Manual Integrations
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#50

Dimethylphthalate

Concen: 4.537 ng

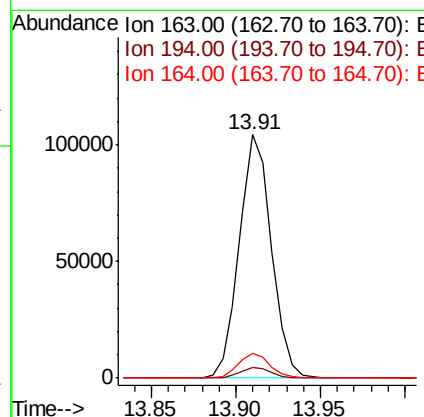
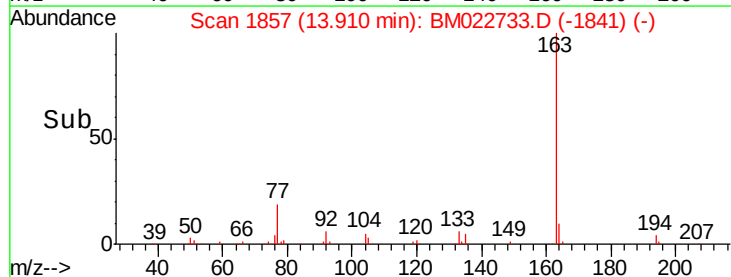
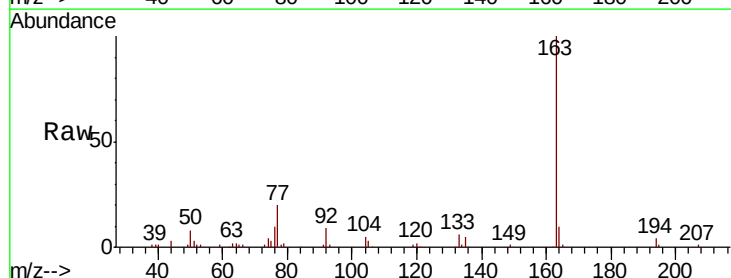
RT: 13.91 min Scan# 1857

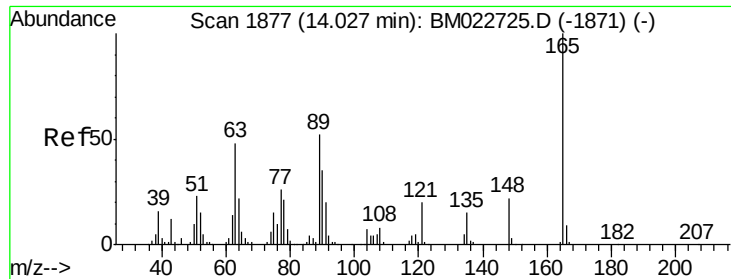
Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.3	8.2	12.2





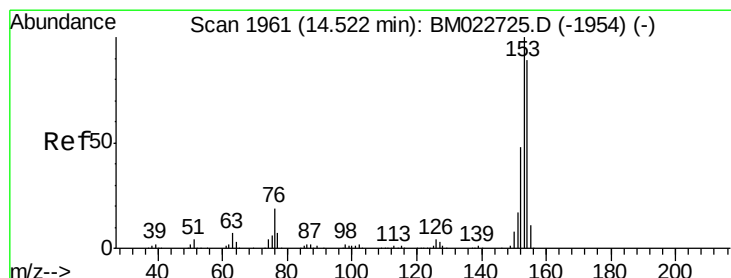
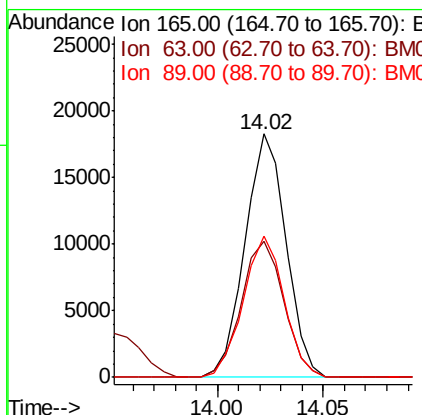
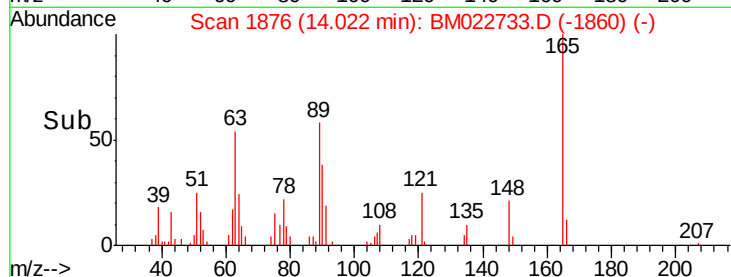
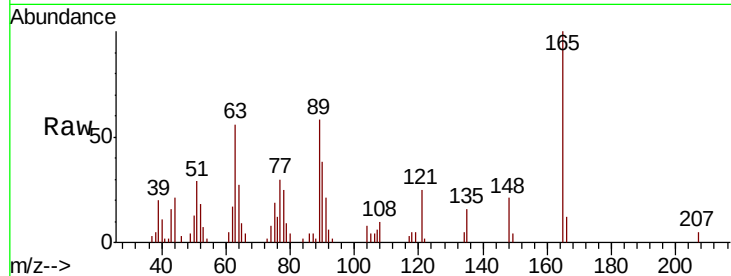
#51
 2,6-Dinitrotoluene
 Concen: 3.867 ng
 RT: 14.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
165	100		
63	55.8	38.6	58.0
89	57.9	41.6	62.4

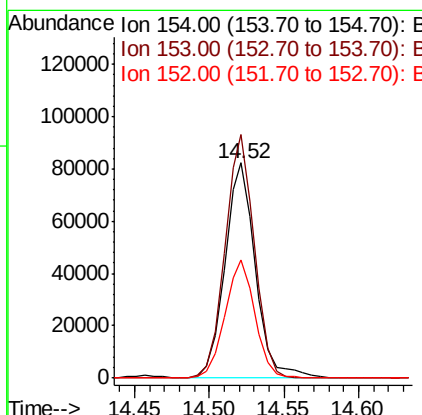
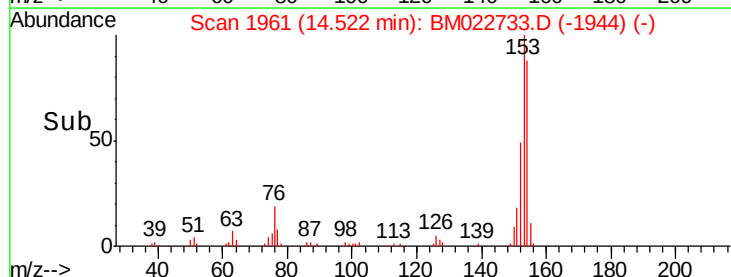
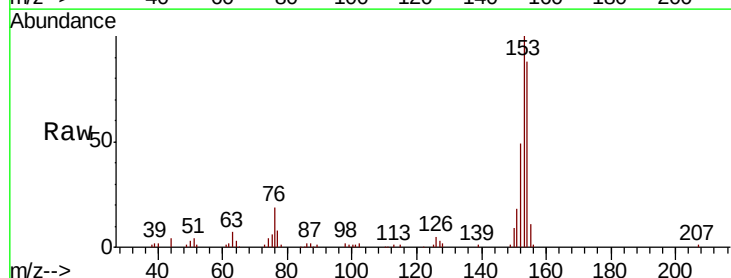
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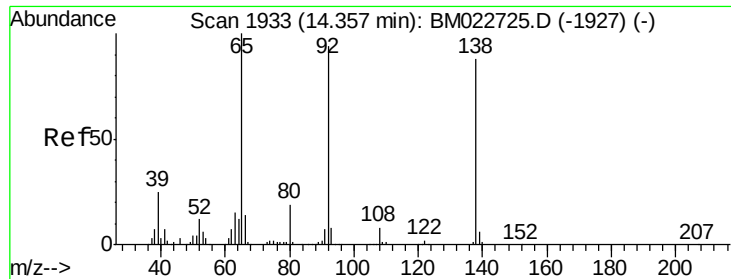
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#52
 Acenaphthene
 Concen: 4.685 ng
 RT: 14.52 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.3	90.0	135.0
152	55.1	42.9	64.3





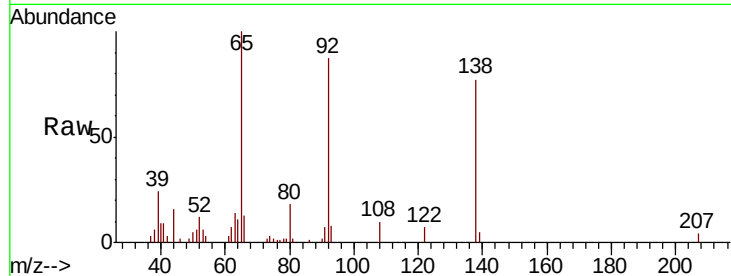
#53
3-Nitroaniline
Concen: 3.328 ng
RT: 14.35 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.6	7.3	10.9#
92	113.2	86.3	129.5

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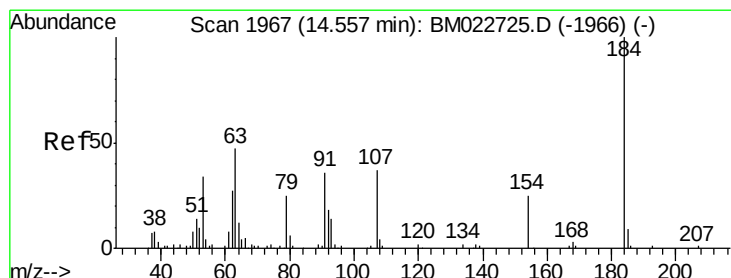
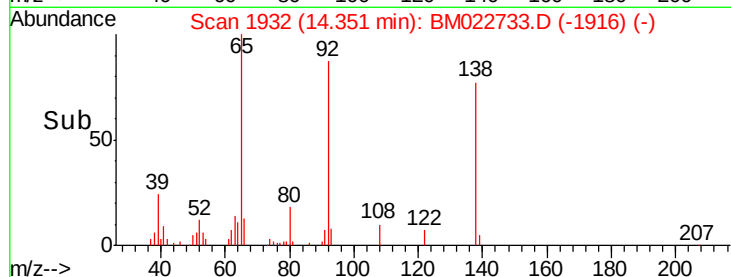
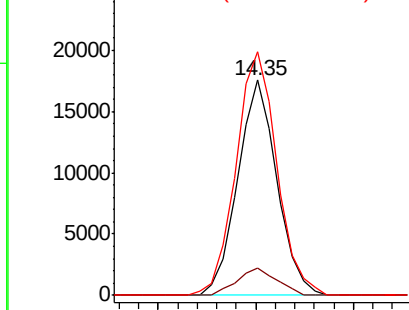


Abundance

Ion 138.00 (137.70 to 138.70): E

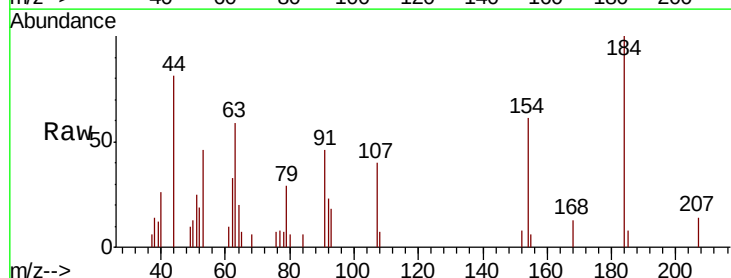
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54
2,4-Dinitrophenol
Concen: 2.440 ng
RT: 14.56 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.3	48.5	72.7
154	61.3	48.1	72.1

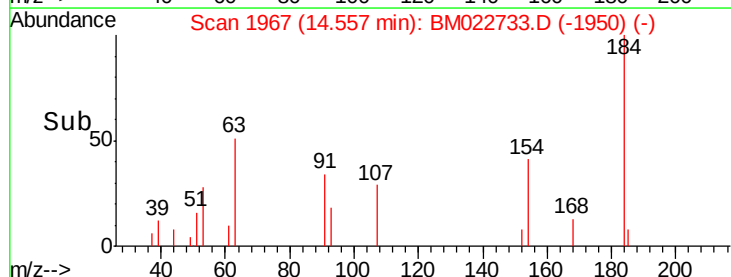
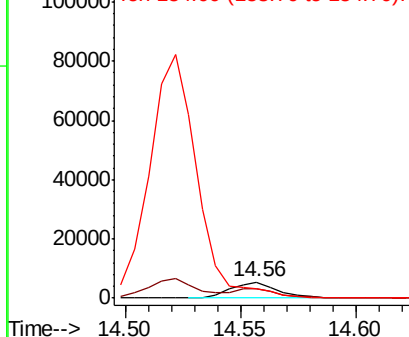


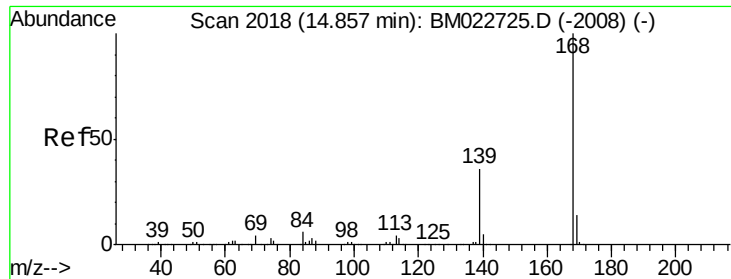
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





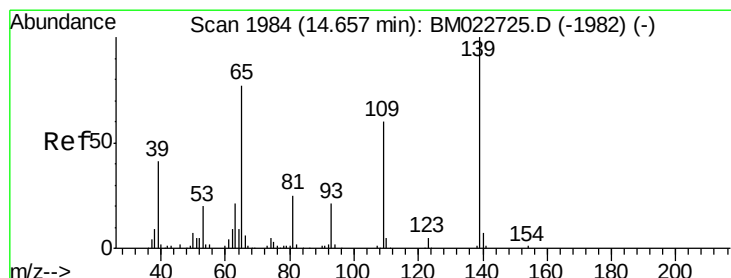
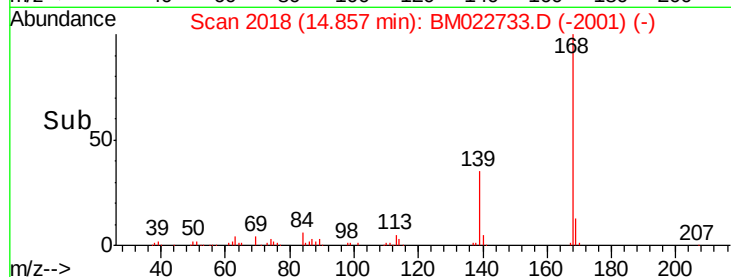
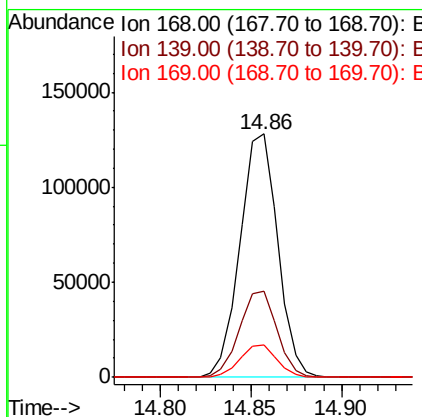
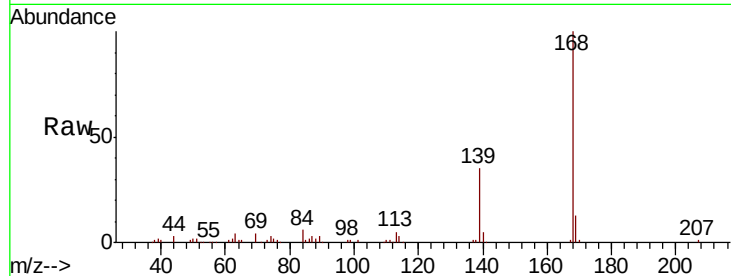
#55
Dibenzenofuran
Concen: 5.032 ng
RT: 14.86 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
168	100	185187		
139	35.5	28.8	43.2	
169	13.2	10.9	16.3	

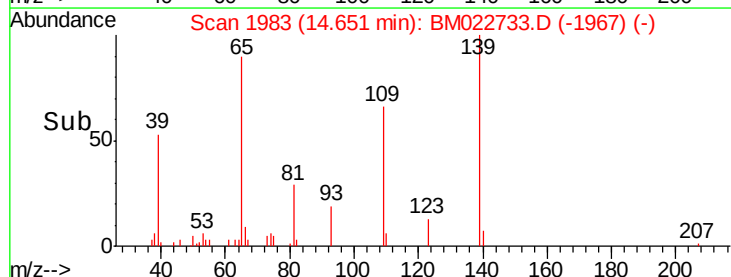
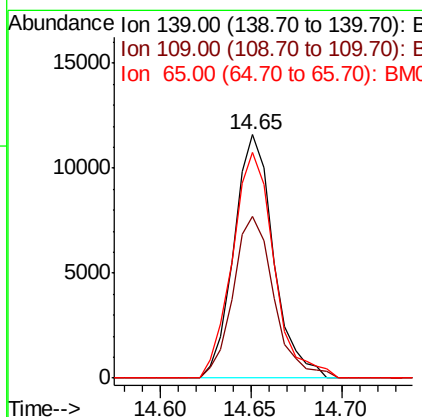
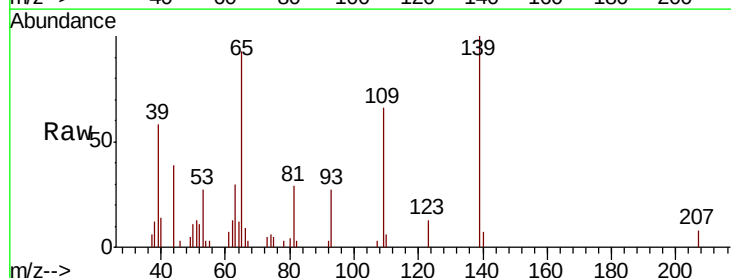
Manual Integrations
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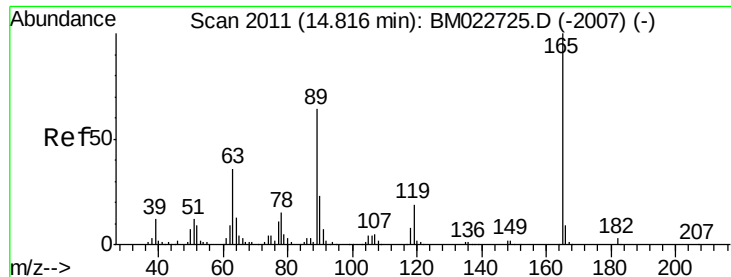
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#56
4-Nitrophenol
Concen: 3.123 ng
RT: 14.65 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	17622		
109	66.3	44.8	84.8	
65	92.9	66.6	106.6	





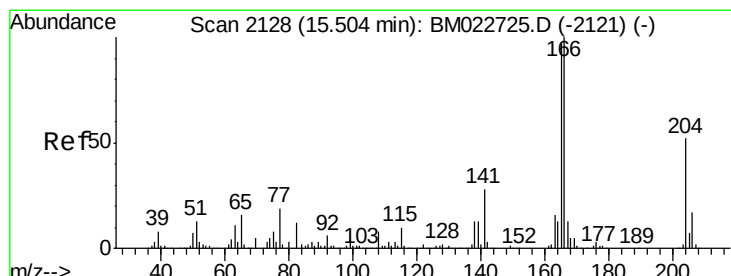
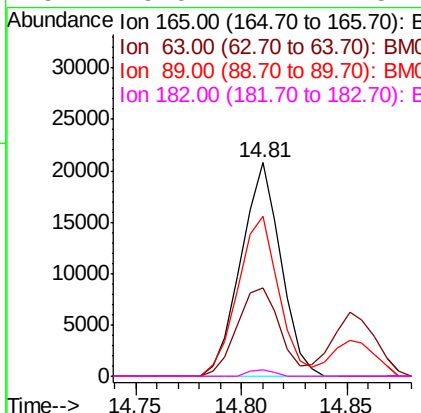
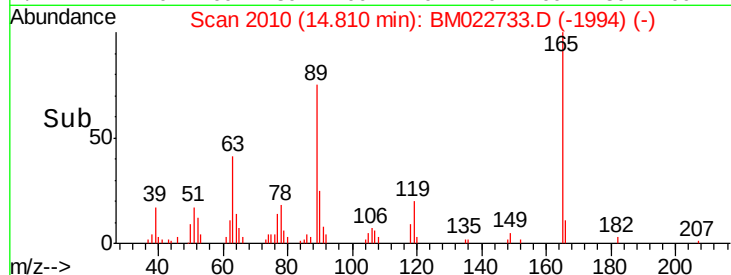
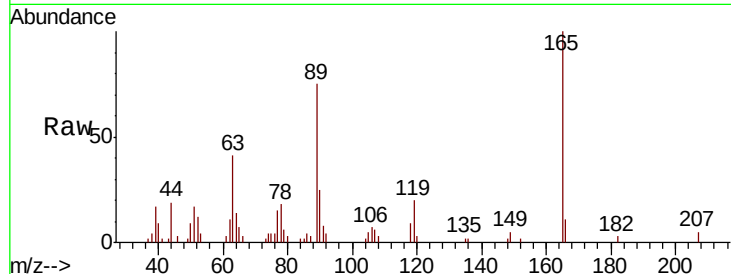
#57
 2,4-Dinitrotoluene
 Concen: 3.258 ng
 RT: 14.81 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
165	100	27214		
63	41.5		30.1	45.1
89	75.1		52.5	78.7
182	3.0		2.2	3.4

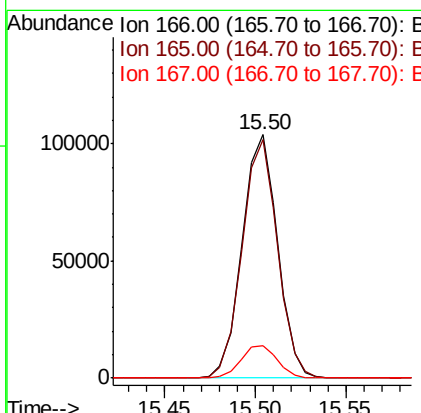
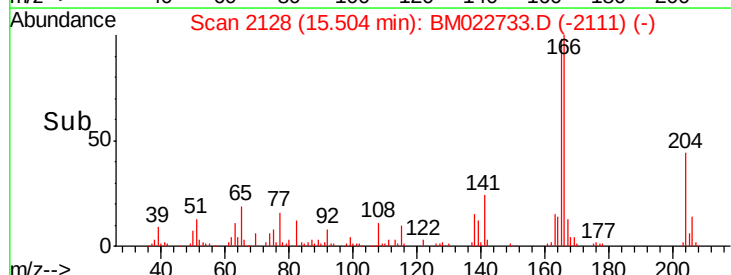
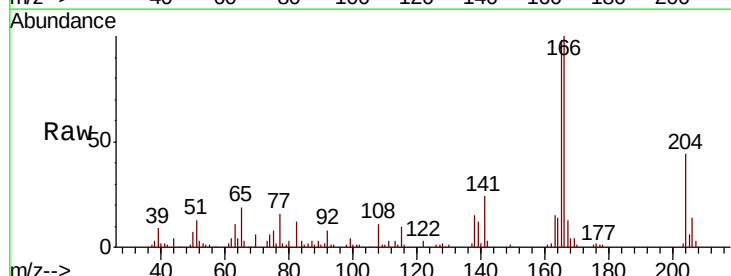
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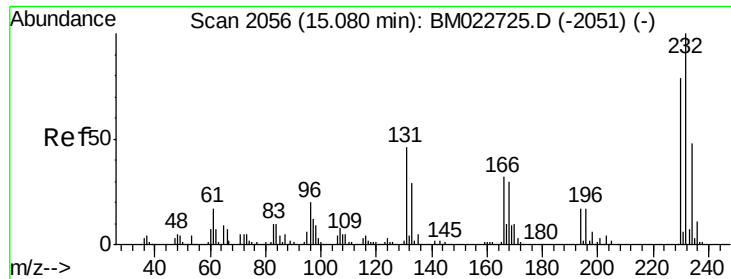
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#58
 Fluorene
 Concen: 4.711 ng
 RT: 15.50 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	140902		
165	98.0		77.6	116.4
167	13.2		10.8	16.2





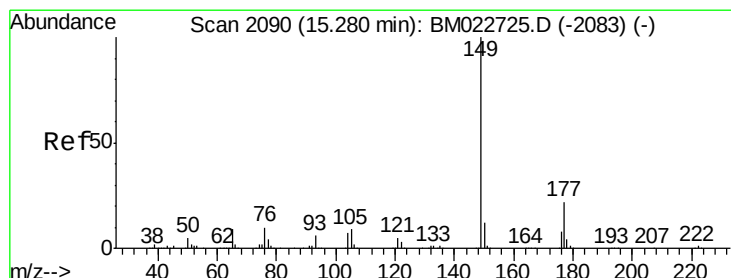
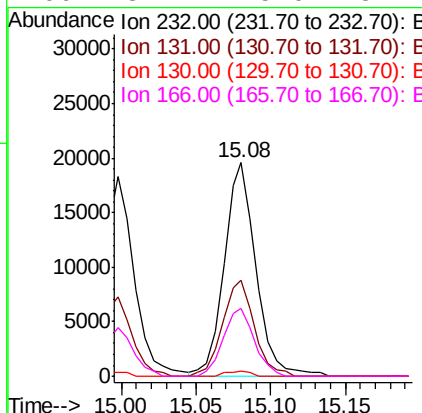
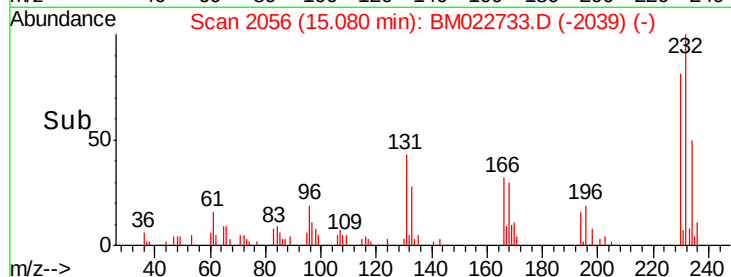
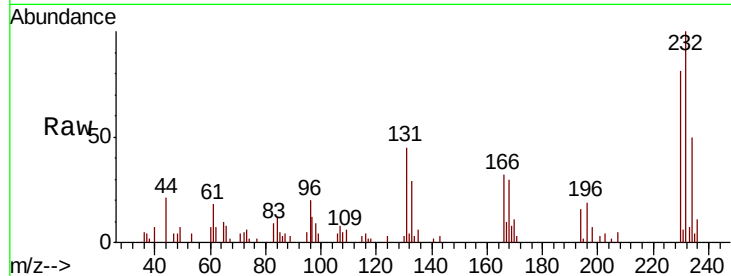
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.887 ng
 RT: 15.08 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		29143		
131	45.2	36.3	54.5		
130	1.9	1.8	2.8		
166	31.2	25.0	37.4		

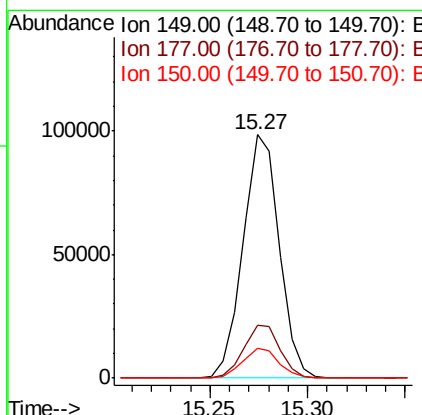
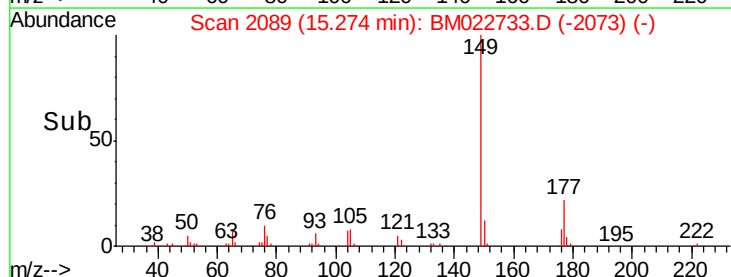
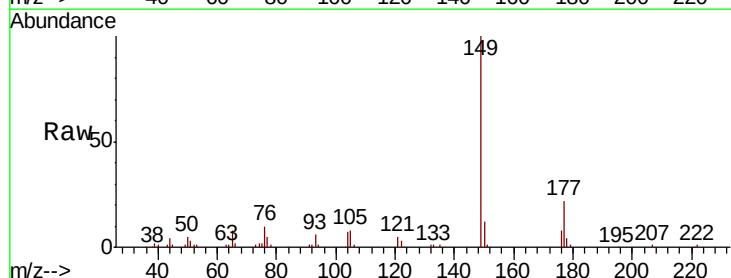
Manual Integrations
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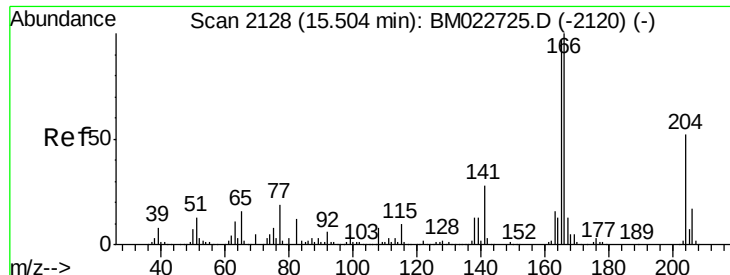
mohammad
 9/24/2019 8:34:49 AM



#60
 Diethylphthalate
 Concen: 4.273 ng
 RT: 15.27 min Scan# 2089
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		126668		
177	21.9	17.6	26.4		
150	12.1	9.9	14.9		





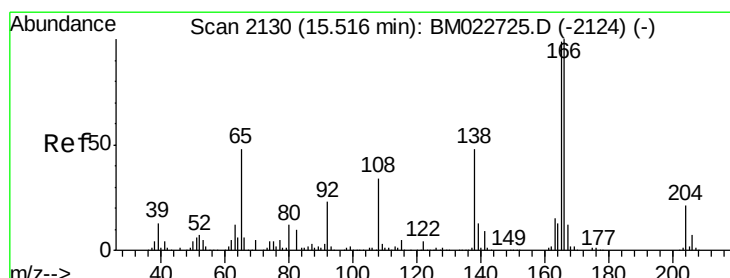
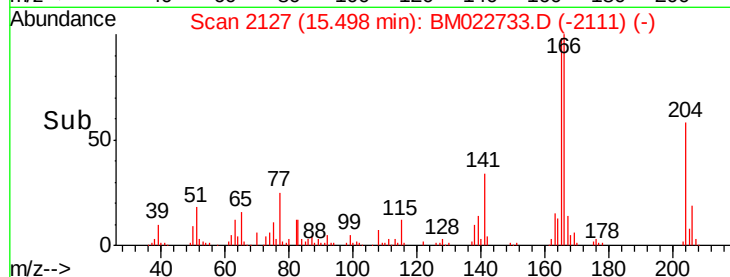
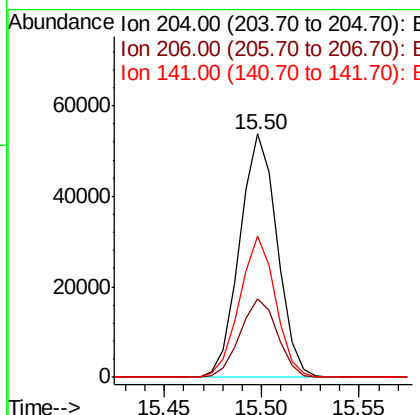
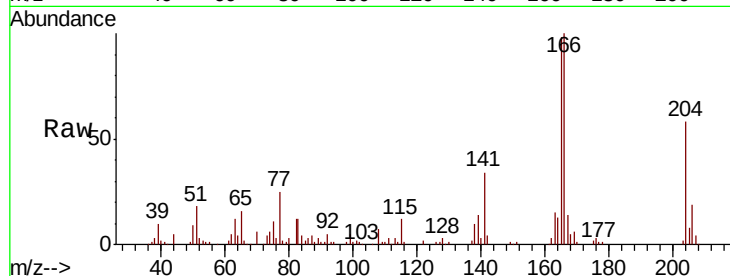
#61
 4-Chlorophenyl-phenylether
 Concen: 4.640 ng
 RT: 15.50 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.2	39.4
141	58.0	42.6	64.0

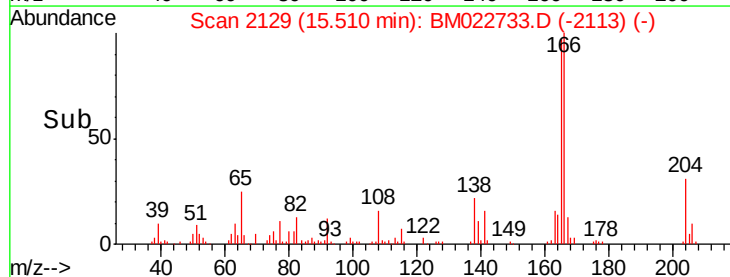
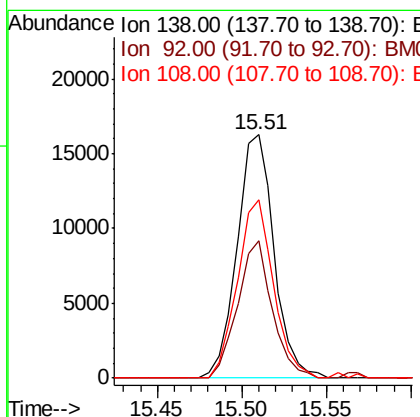
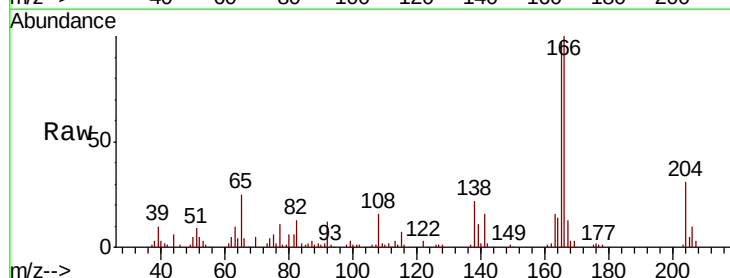
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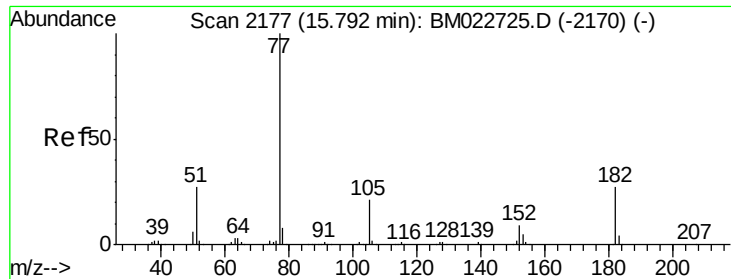
mohammad
 9/24/2019 8:34:49 AM



#62
 4-Nitroaniline
 Concen: 3.215 ng
 RT: 15.51 min Scan# 2129
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
138	100		
92	56.4	28.7	68.7
108	73.1	50.3	90.3





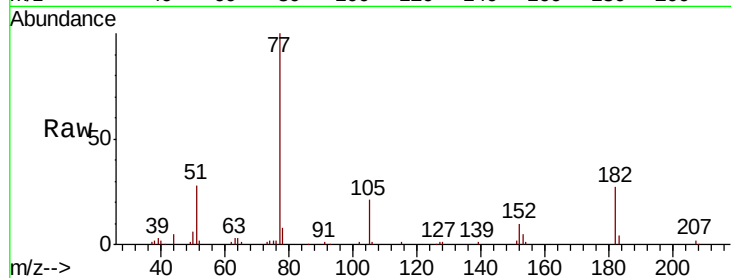
#63
Azobenzene
Concen: 4.214 ng
RT: 15.79 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	27.1	7.0	47.0		
105	21.3	0.9	40.9		
51	27.5	6.6	46.6		

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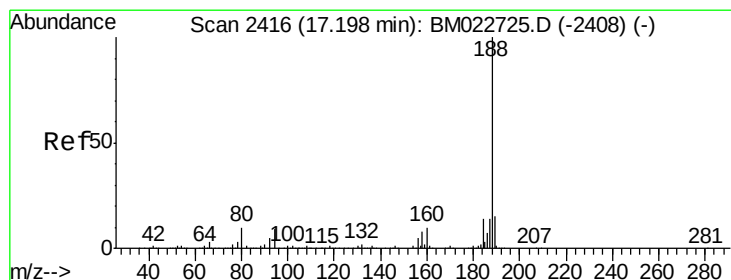
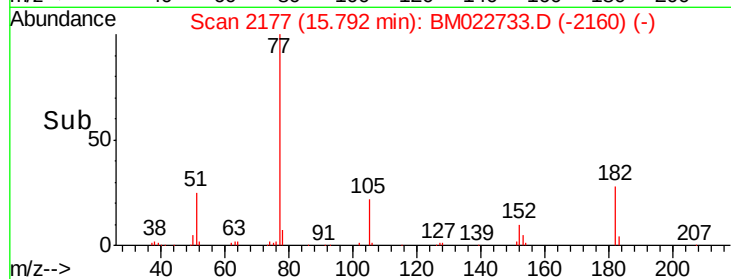
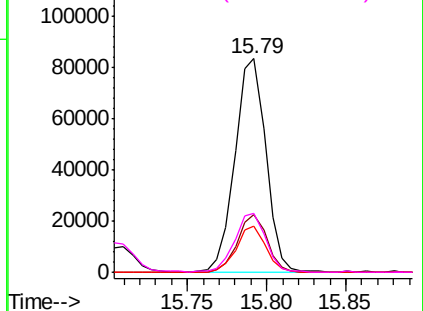


Abundance Ion 77.00 (76.70 to 77.70): BM022725.D (-2170) (-)

Ion 182.00 (181.70 to 182.70): E

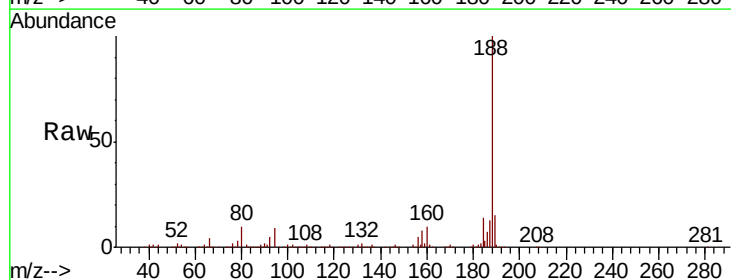
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM022725.D (-2170) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

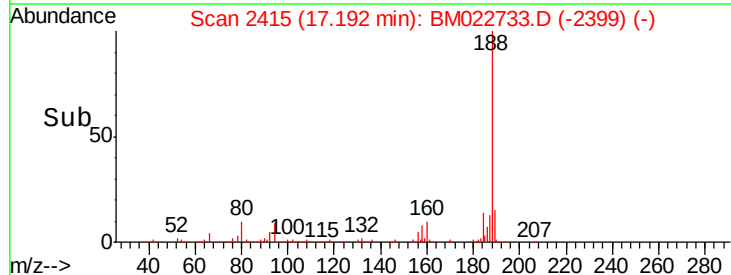
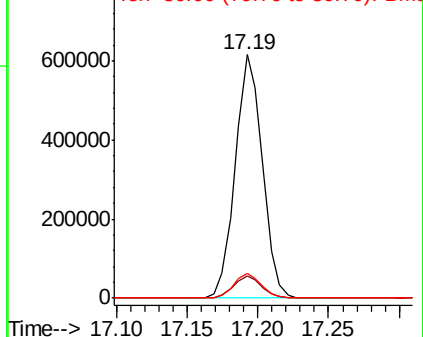
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.3	7.3	10.9		
80	10.4	7.8	11.8		

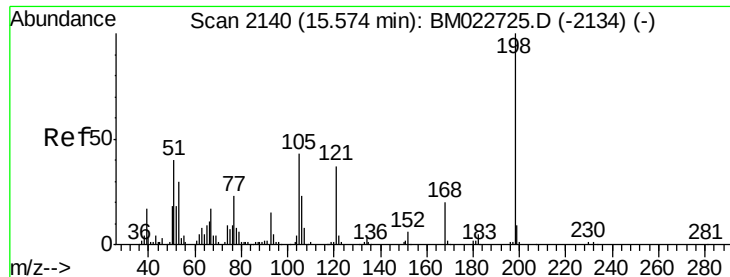


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM022725.D (-2408) (-)

Ion 80.00 (79.70 to 80.70): BM022725.D (-2408) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 3.121 ng

RT: 15.57 min Scan# 2139

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:198 Resp: 12032

Ion Ratio Lower Upper

198 100

51 44.9 21.0 61.0

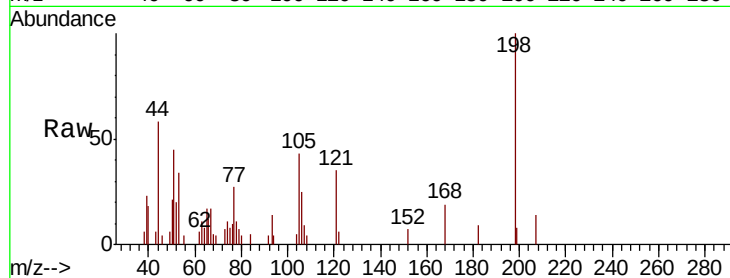
105 43.4 22.5 62.5

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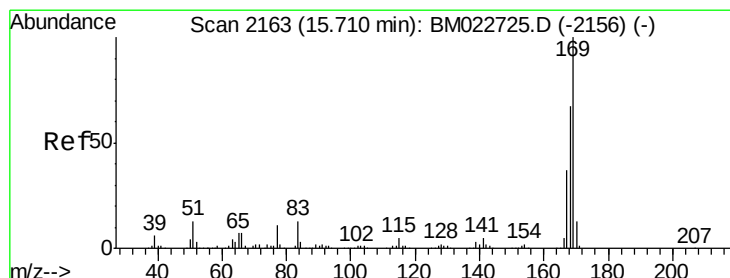
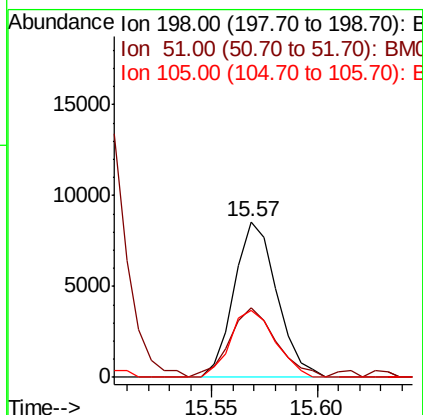
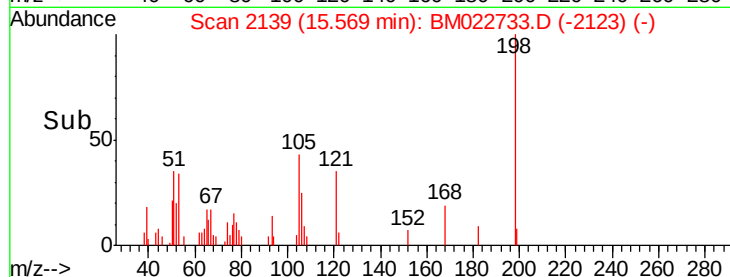
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 4.576 ng

RT: 15.71 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

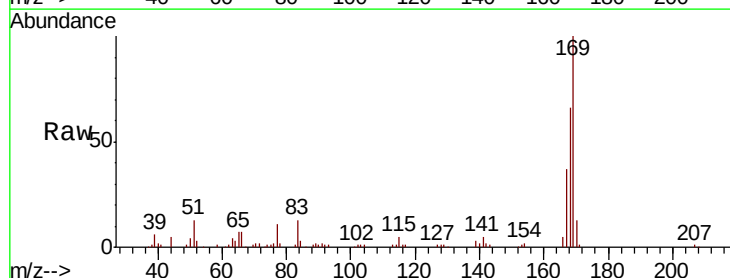
Tgt Ion:169 Resp: 115054

Ion Ratio Lower Upper

169 100

168 66.4 53.4 80.2

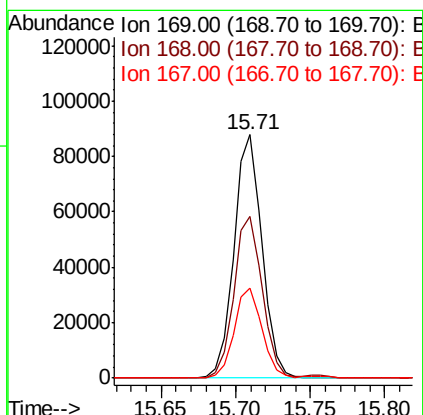
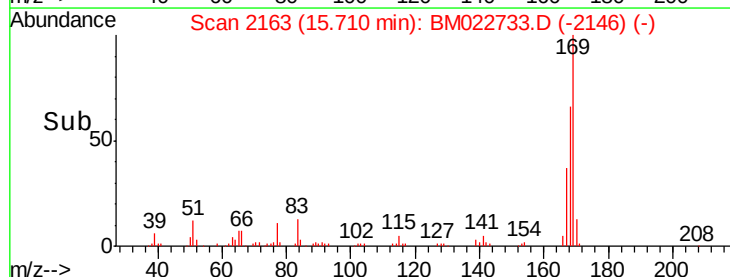
167 36.8 29.3 43.9

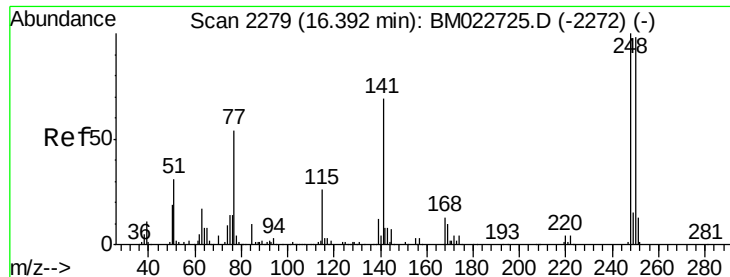


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





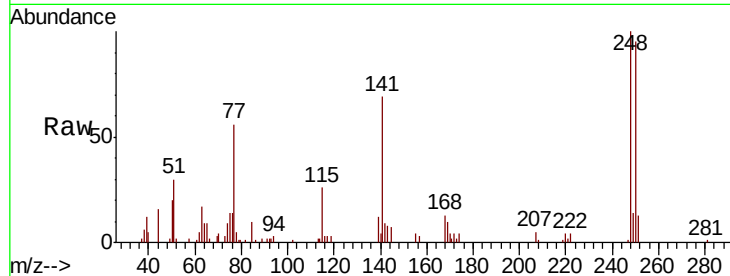
#67
4-Bromophenyl-phenylether
Concen: 4.344 ng
RT: 16.39 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.0	78.4	117.6
141	69.4	55.1	82.7

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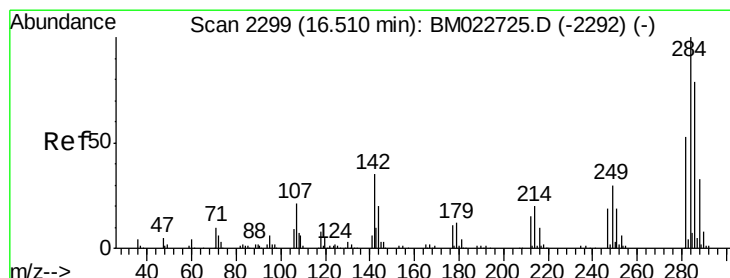
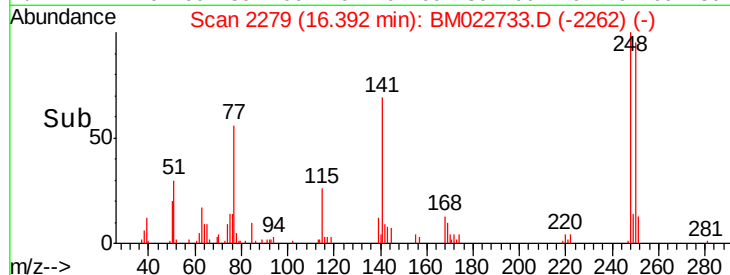
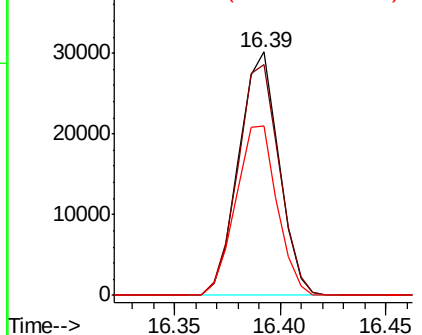


Abundance

Ion 248.00 (247.70 to 248.70): E

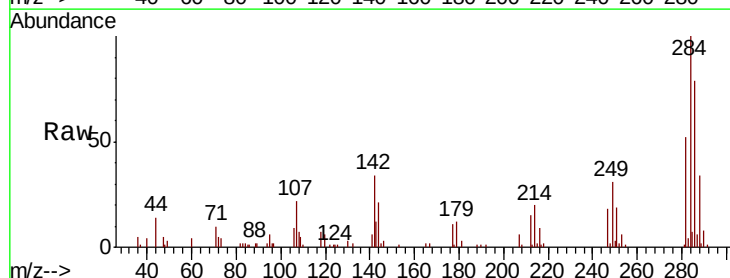
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 4.504 ng
RT: 16.51 min Scan# 2299
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.7	27.8	41.8
249	30.6	24.4	36.6

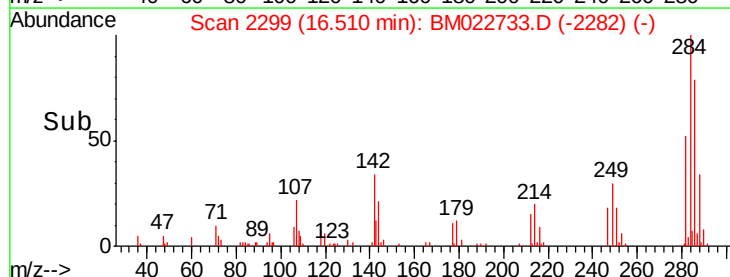
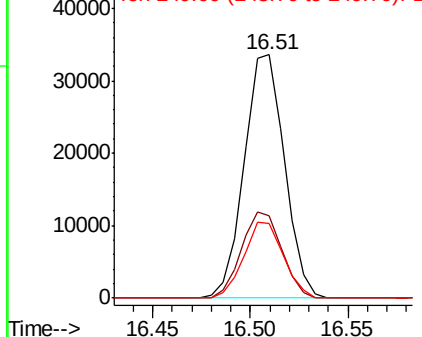


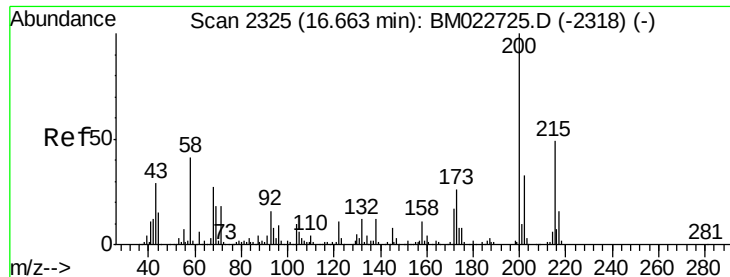
Abundance

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





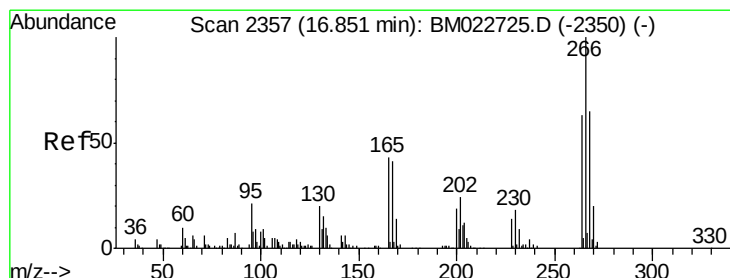
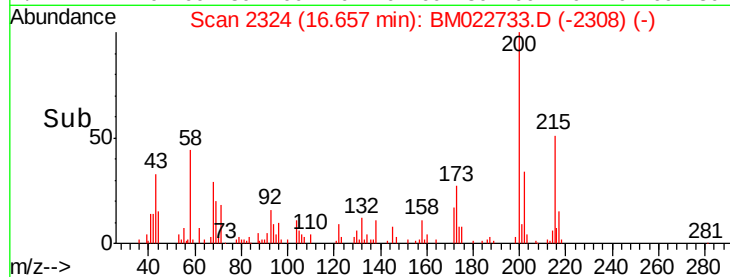
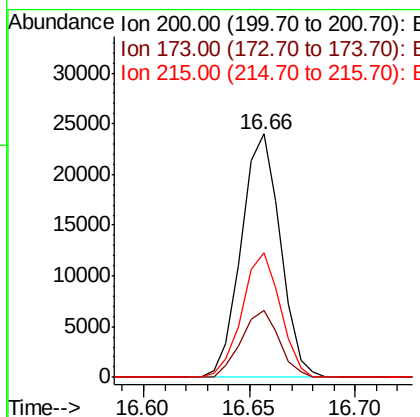
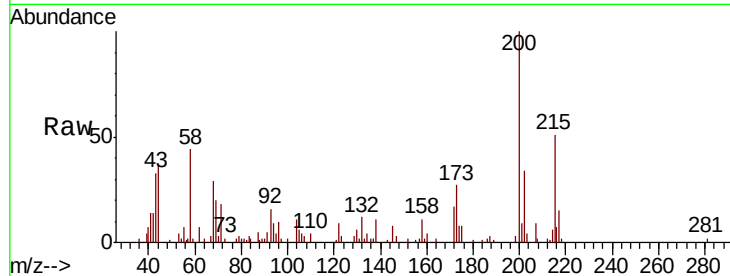
#69
Atrazine
Concen: 3.768 ng
RT: 16.66 min Scan# 2324
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
200	100	30800		
173	27.3		5.8	45.8
215	51.4		29.2	69.2

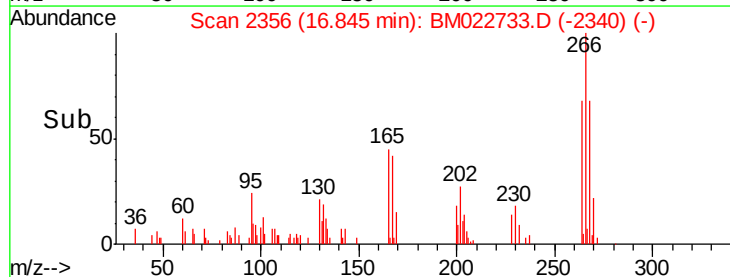
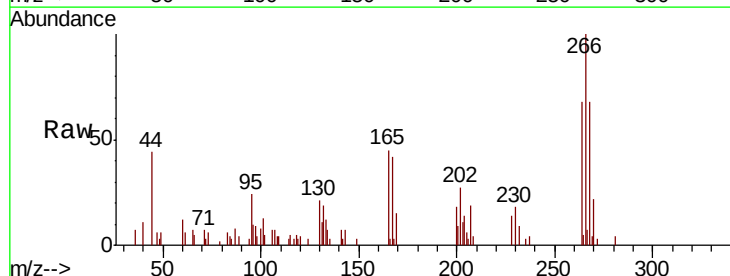
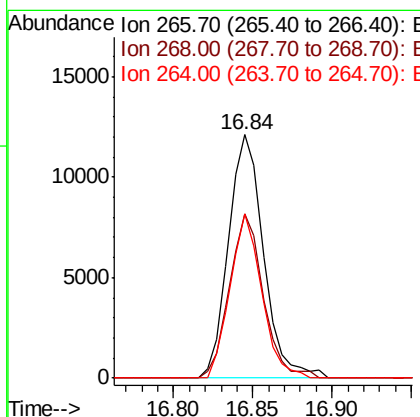
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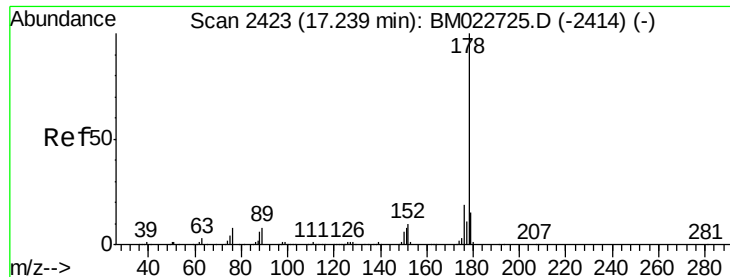
mohammad
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#70
Pentachlorophenol
Concen: 3.271 ng
RT: 16.84 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	18623		
268	67.5		51.8	77.6
264	67.6		50.2	75.4





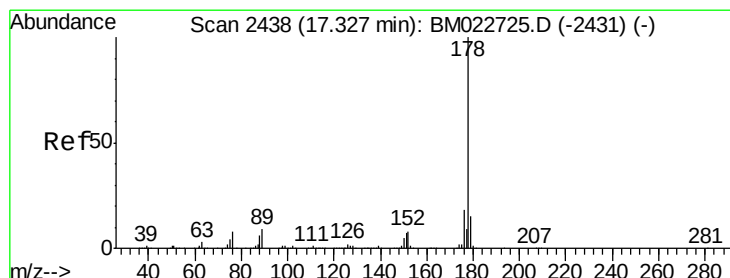
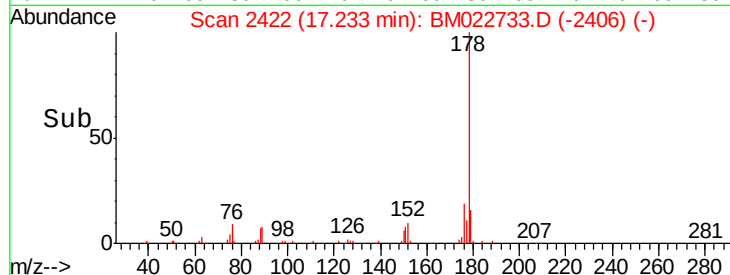
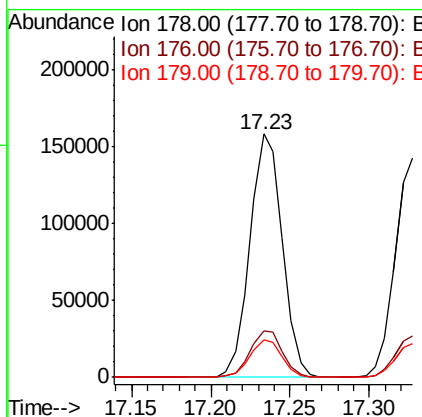
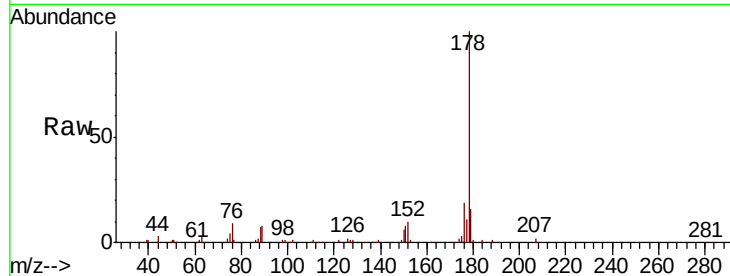
#71
Phenanthrene
Concen: 4.836 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.3	18.5

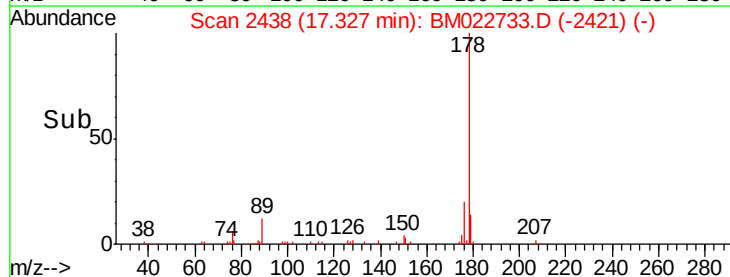
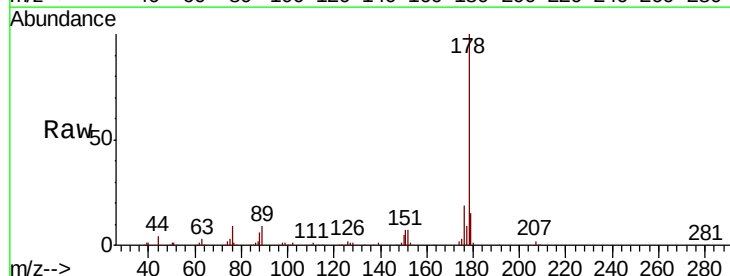
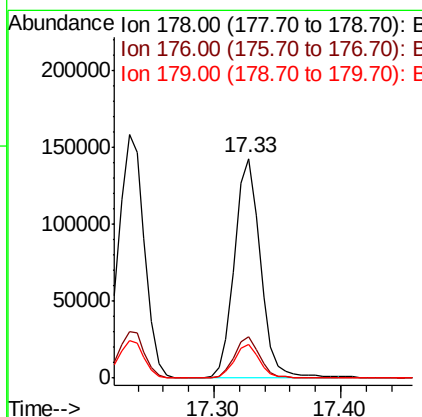
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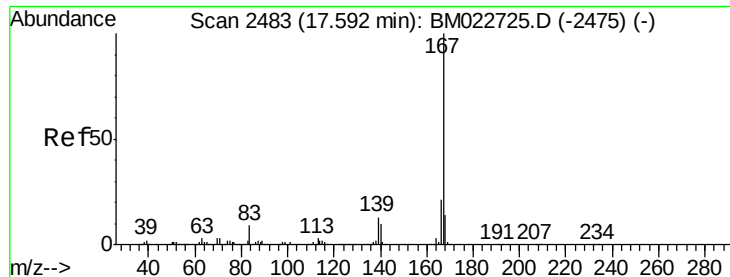
mohammad
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#72
Anthracene
Concen: 4.502 ng
RT: 17.33 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.2	12.2	18.4





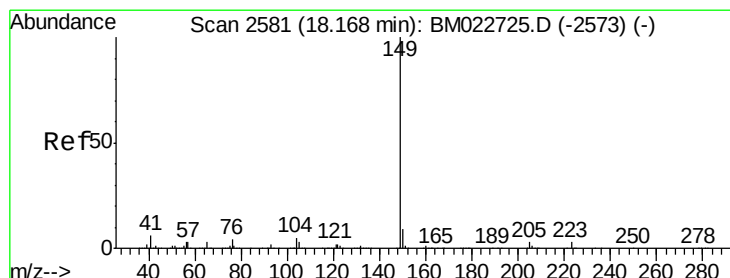
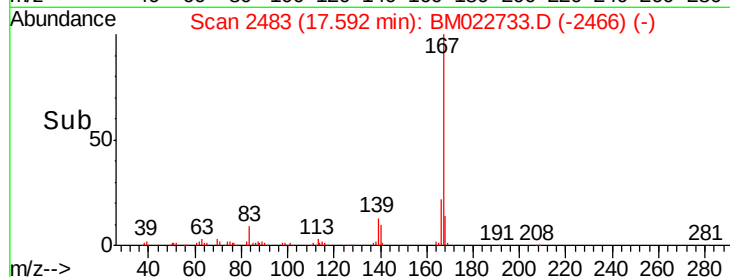
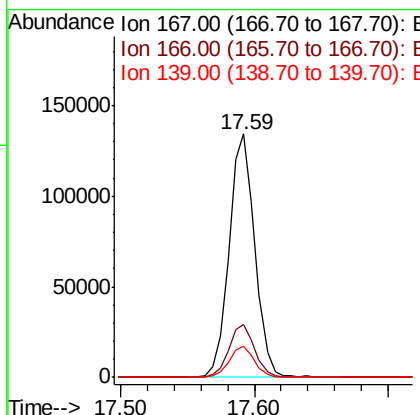
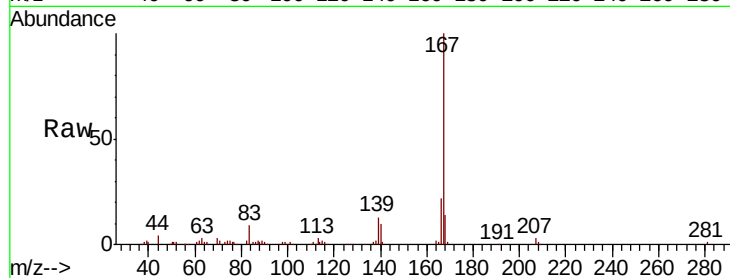
#73
 Carbazole
 Concen: 4.310 ng
 RT: 17.59 min Scan# 2483
 Delta R.T. 0.00 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	21.5	17.0	25.4	
139	12.8	10.1	15.1	

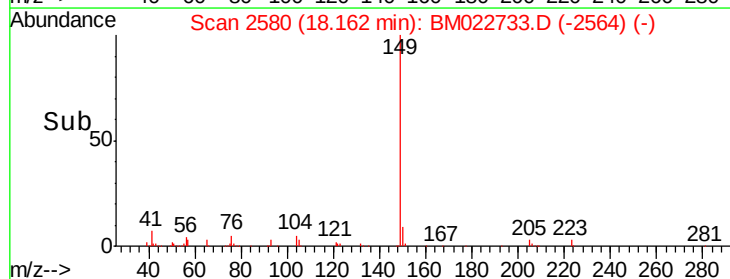
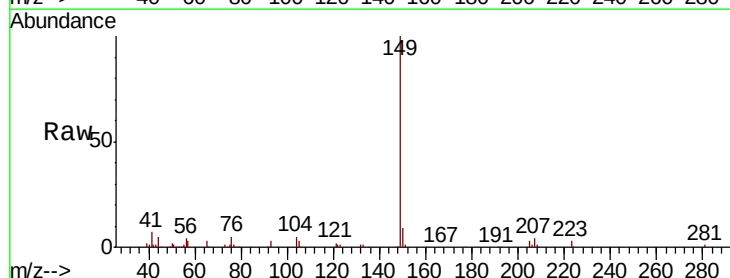
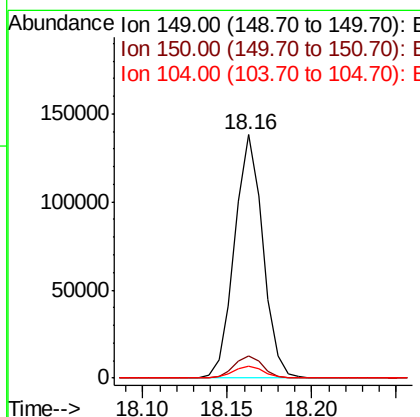
Manual Integrations
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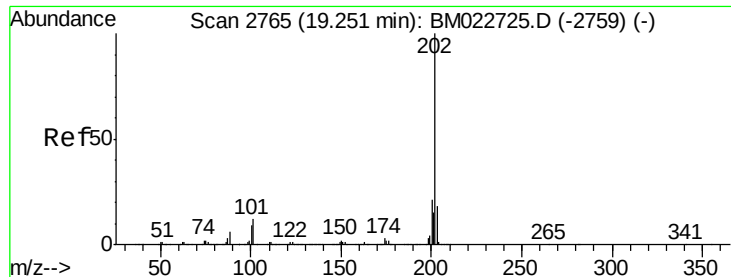
mohammad
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#74
 Di-n-butylphthalate
 Concen: 3.400 ng
 RT: 18.16 min Scan# 2580
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.0	7.3	10.9	
104	4.8	3.8	5.6	





#75

Fluoranthene

Concen: 4.354 ng

RT: 19.25 min Scan# 2765

Delta R.T. 0.00 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

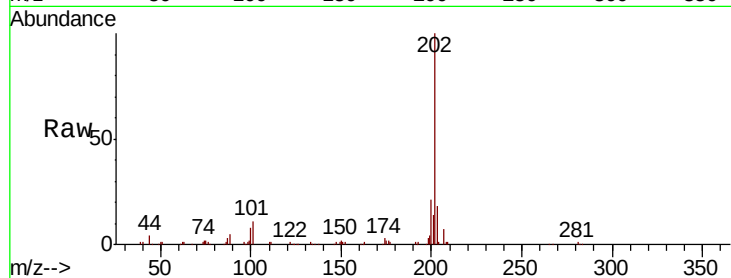
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
202	100	228162		
101	10.6	0.0	32.1	
203	17.7	0.0	37.7	

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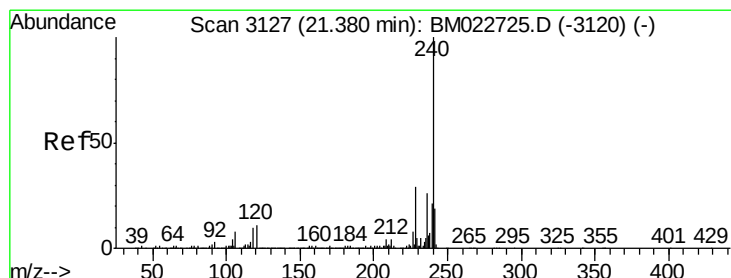
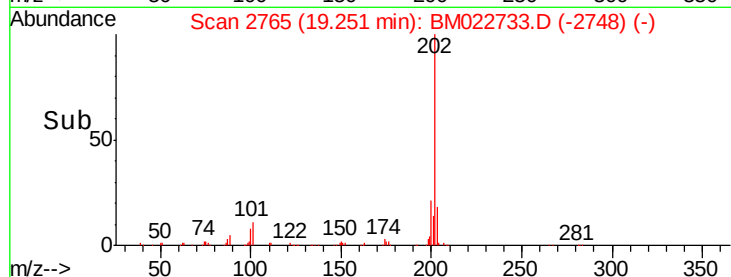
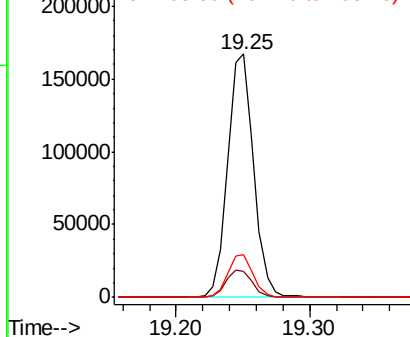


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

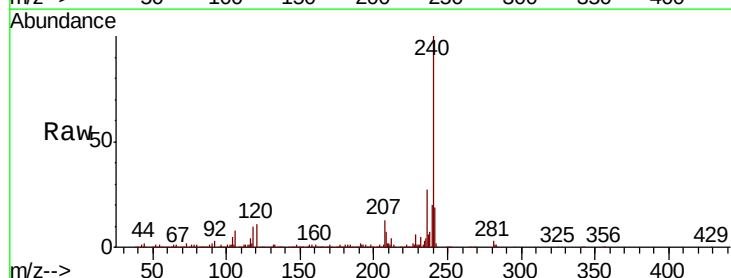
RT: 21.37 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	772049		
120	11.2	8.8	13.2	
236	26.7	20.8	31.2	

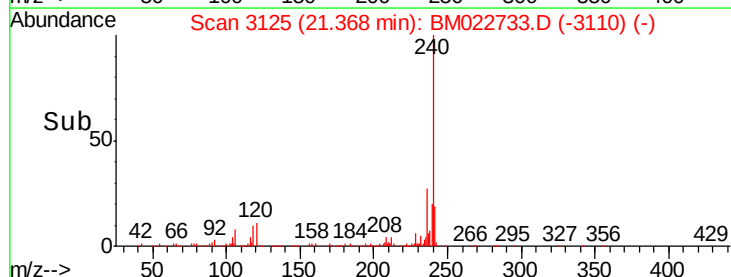
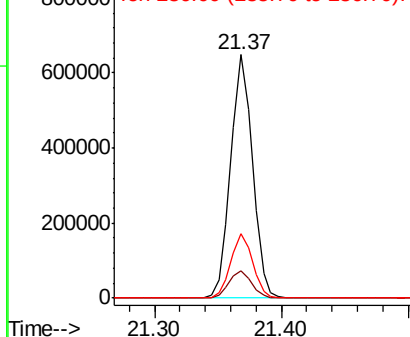


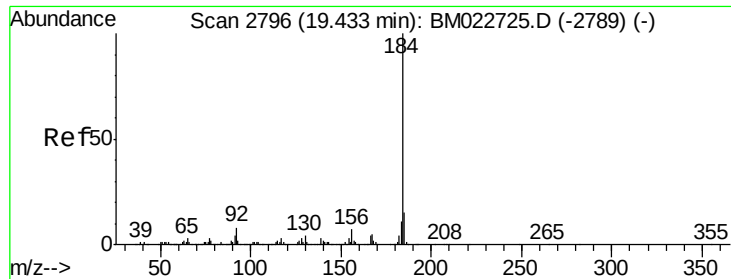
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.366 ng

RT: 19.43 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

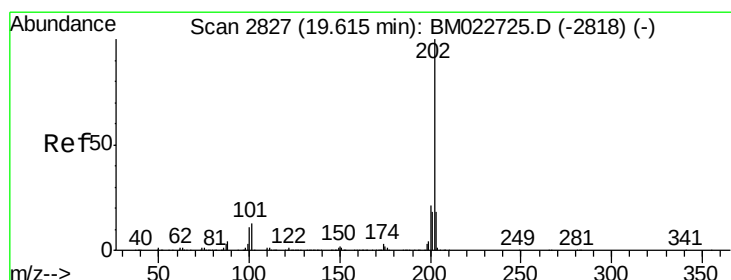
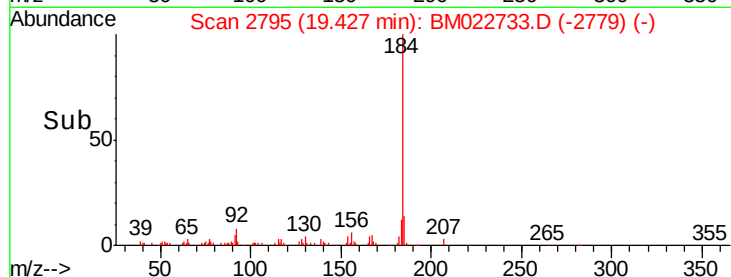
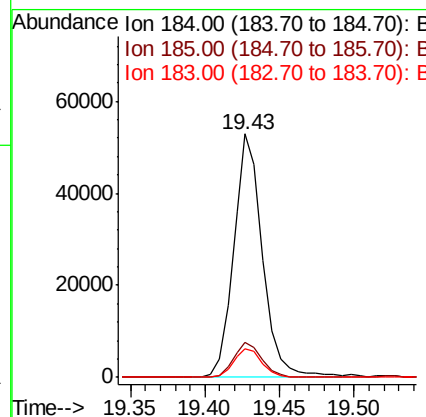
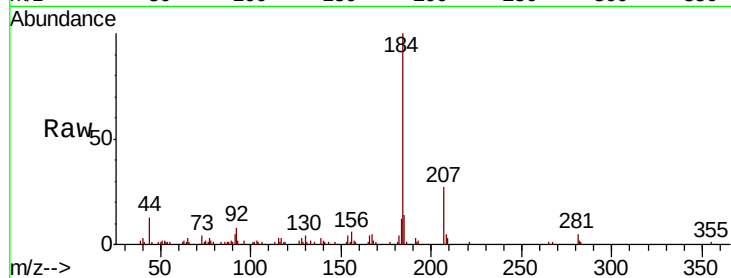
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	184	Resp:	71287
Ion Ratio	Lower	Upper	
184	100		
185	14.2	11.6	17.4
183	11.5	9.1	13.7

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#78

Pyrene

Concen: 4.805 ng

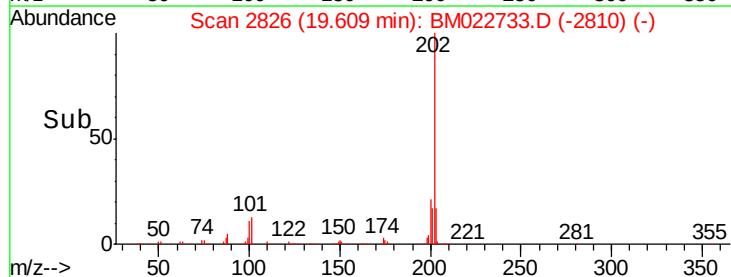
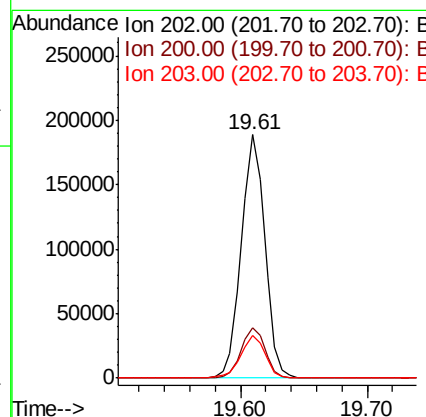
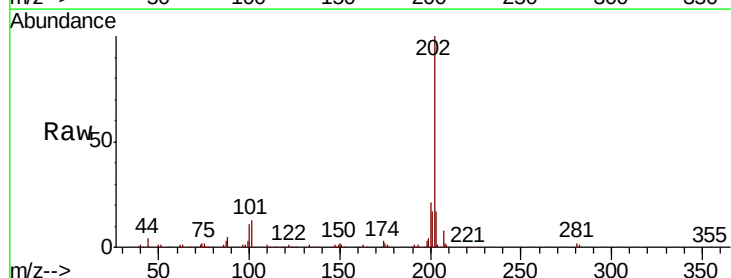
RT: 19.61 min Scan# 2826

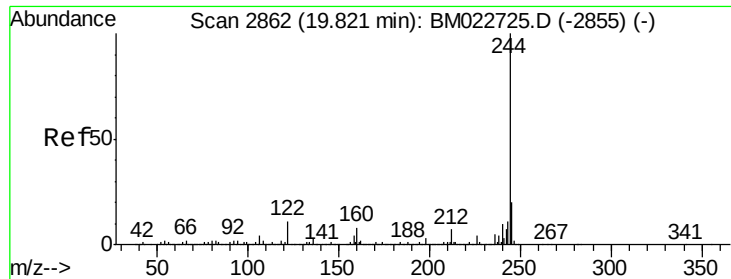
Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:	202	Resp:	243105
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.7	25.1
203	17.3	14.1	21.1





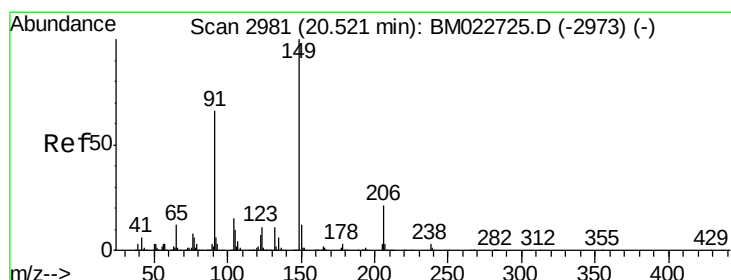
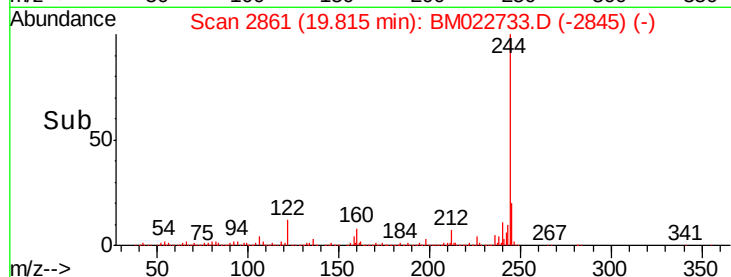
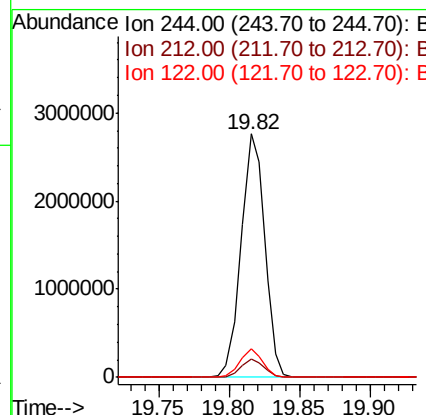
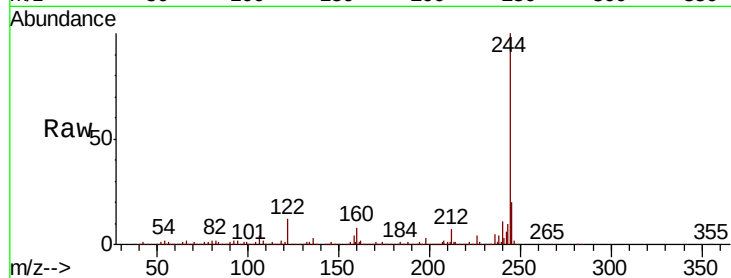
#79
 Terphenyl-d14
 Concen: 80.959 ng
 RT: 19.82 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.5	9.0	13.4

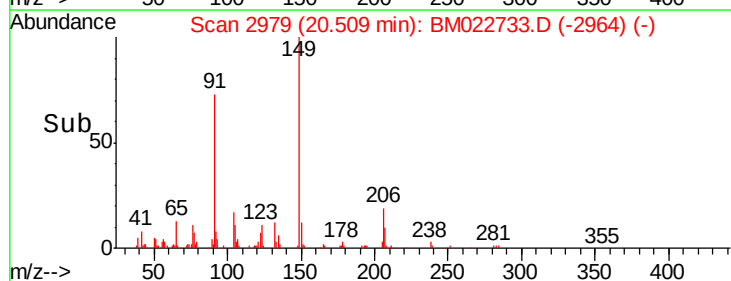
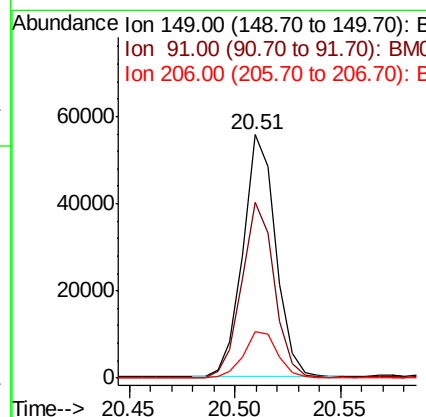
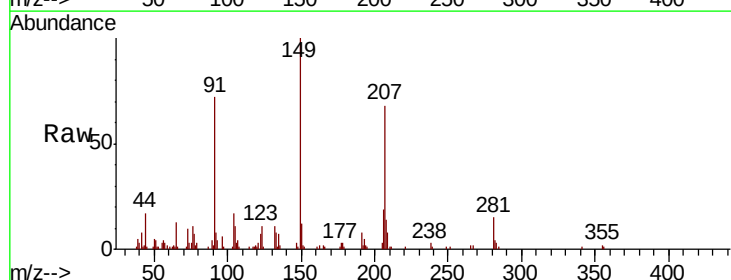
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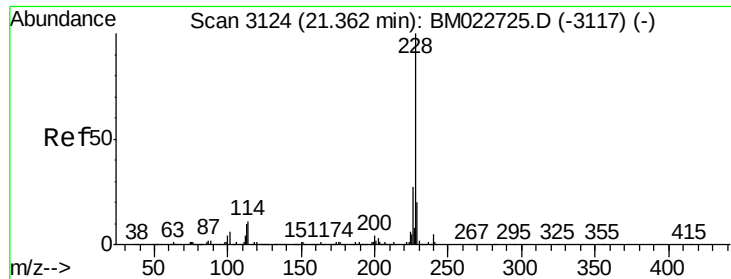
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#80
 Butylbenzylphthalate
 Concen: 3.100 ng
 RT: 20.51 min Scan# 2979
 Delta R.T. -0.01 min
 Lab File: BM022733.D
 Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.1	53.0	79.4
206	19.0	16.9	25.3





#81

Benzo(a)anthracene

Concen: 4.567 ng

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Instrument :

BNA_M

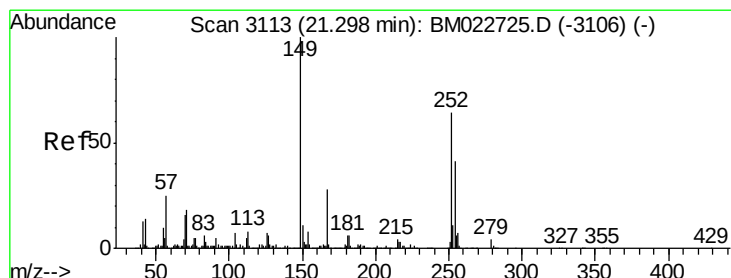
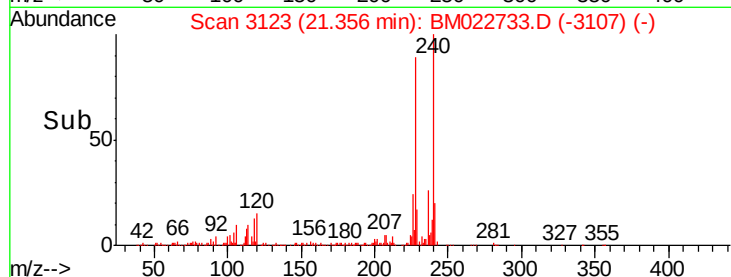
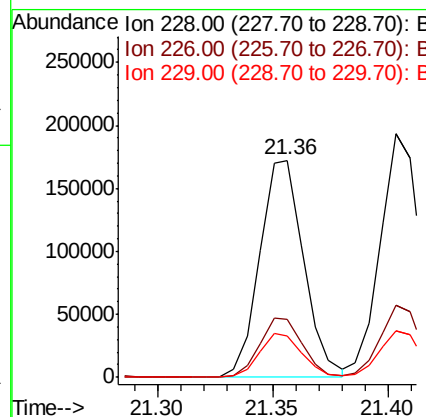
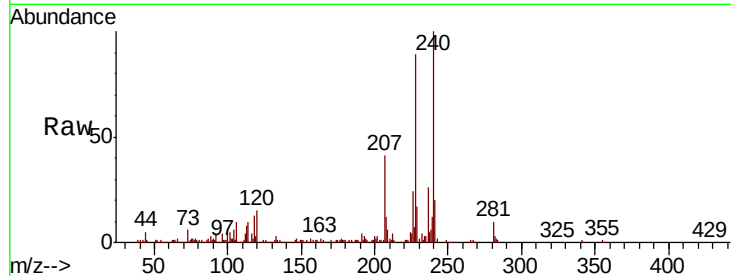
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	228	Resp:	228541
Ion Ratio	Lower	Upper	
228	100		
226	26.6	22.0	33.0
229	19.2	15.9	23.9

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 3.866 ng

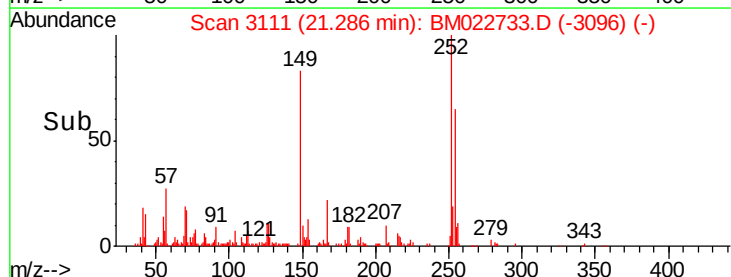
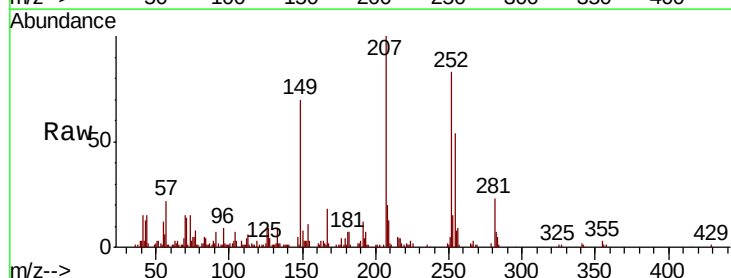
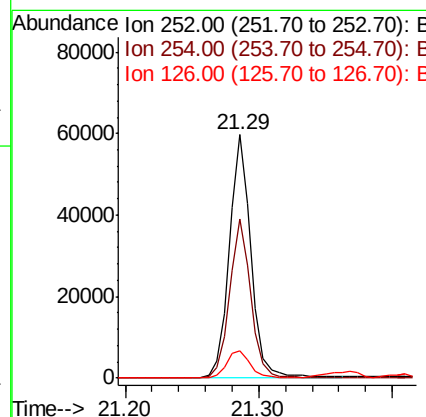
RT: 21.29 min Scan# 3111

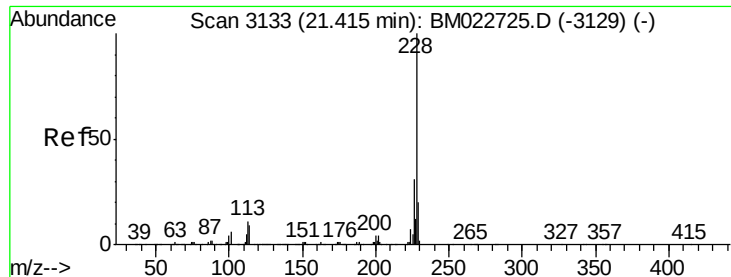
Delta R.T. -0.01 min

Lab File: BM022733.D

Acq: 20 Sep 2019 19:43

Tgt Ion:	252	Resp:	68605
Ion Ratio	Lower	Upper	
252	100		
254	65.4	51.7	77.5
126	11.2	8.3	12.5





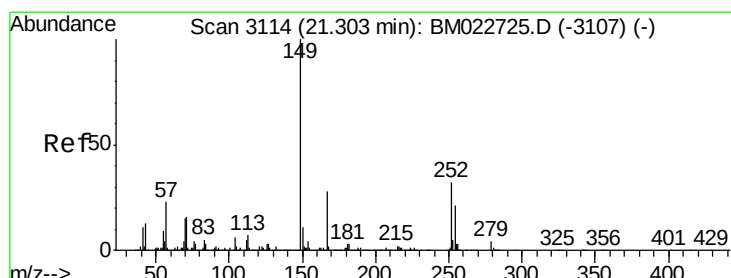
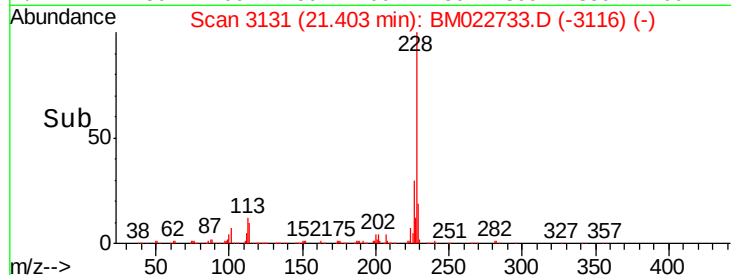
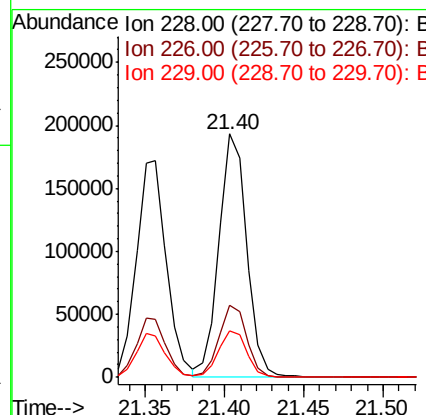
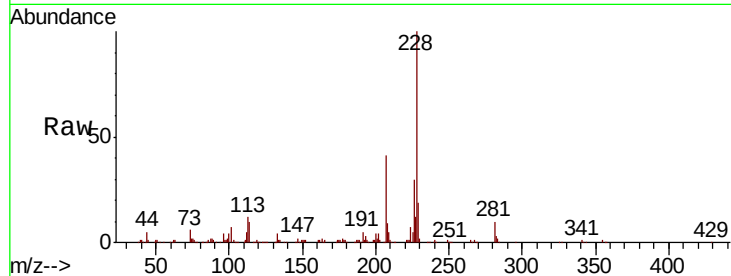
#83
Chrysene
Concen: 4.841 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.5	36.7
229	19.4	15.9	23.9

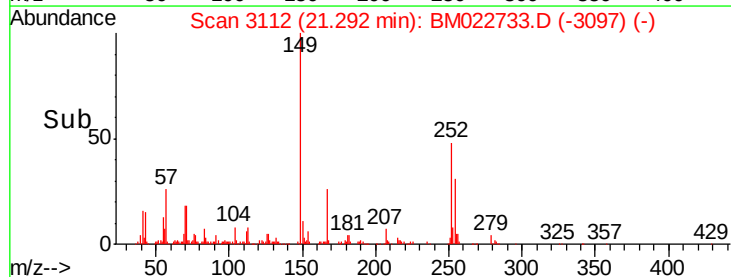
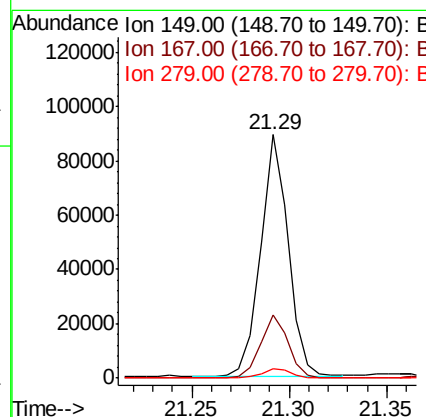
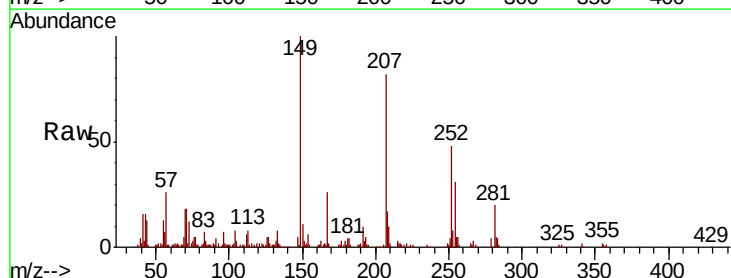
Manual Integrations
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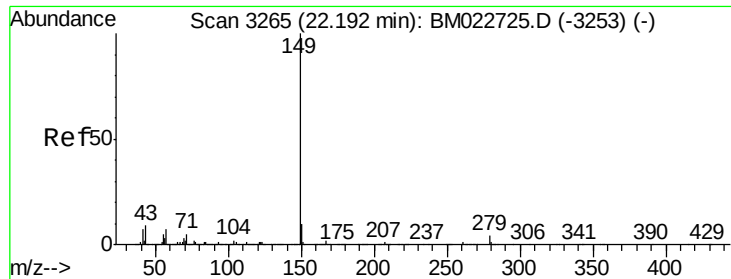
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.020 ng
RT: 21.29 min Scan# 3112
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	22.1	33.1
279	3.9	3.4	5.0





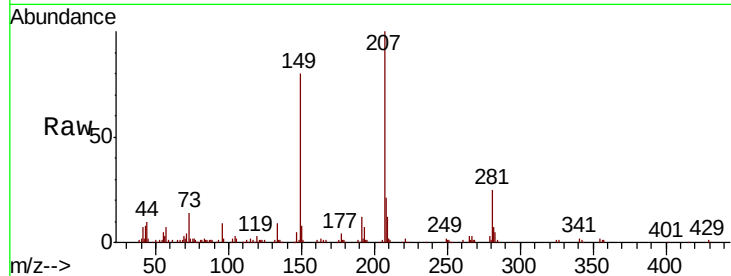
#85
Di-n-octyl phthalate
Concen: 2.779 ng
RT: 22.18 min Scan# 3263
Delta R.T. -0.01 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.8	1.3	1.9
43	11.4	7.4	11.0#

Manual Integrations
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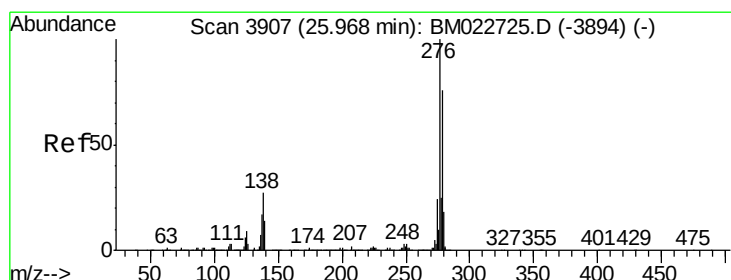
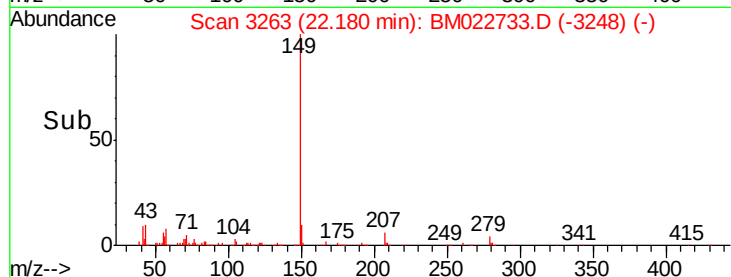
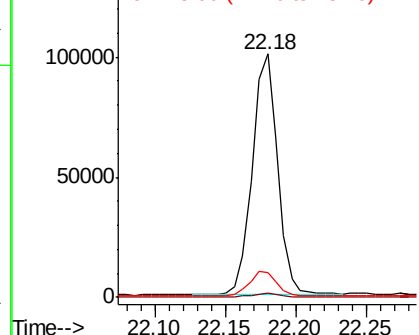


Abundance

Ion 149.00 (148.70 to 149.70): E

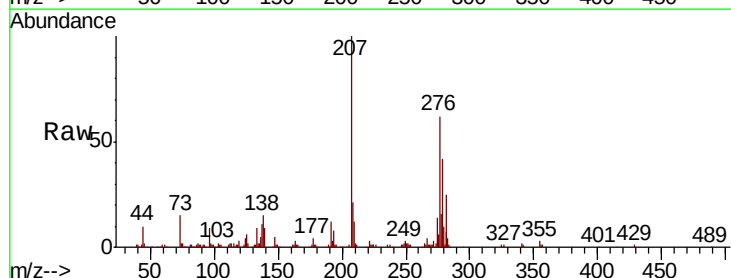
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.262 ng
RT: 25.94 min Scan# 3903
Delta R.T. -0.02 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	27.2	0.0	0.0#
277	25.4	0.0	0.0#

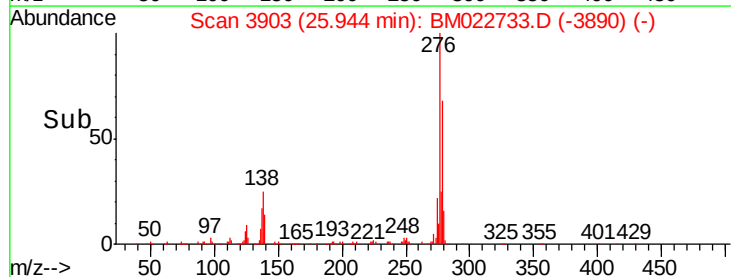
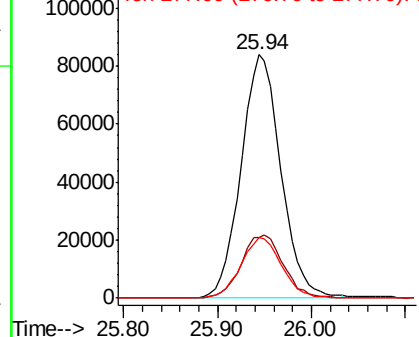


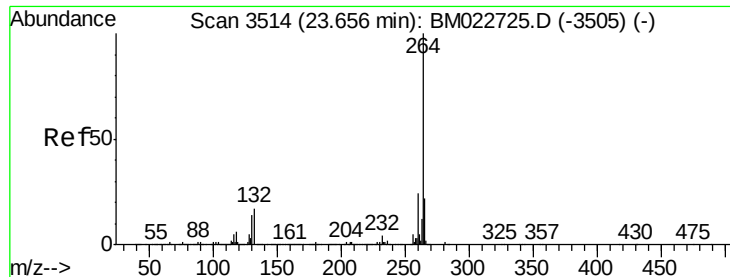
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





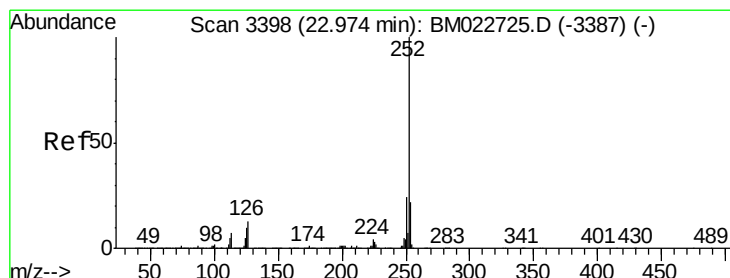
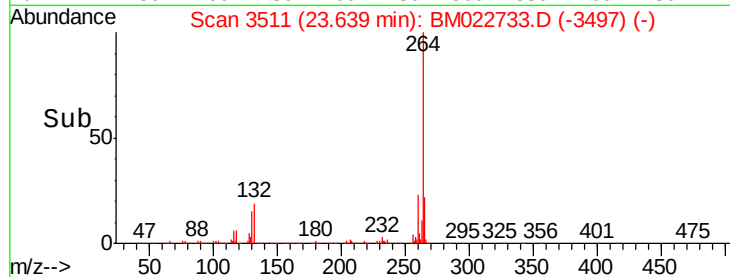
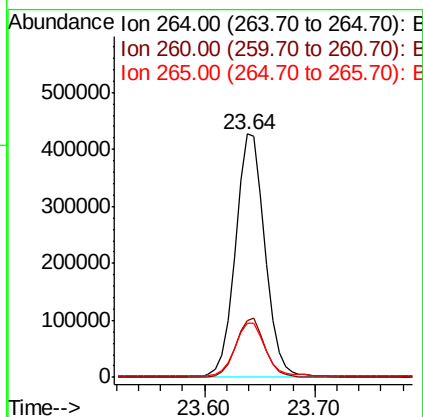
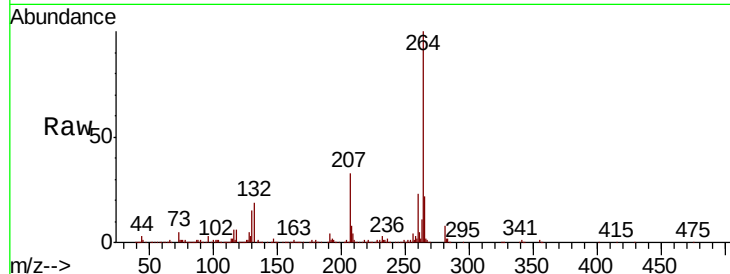
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3511
Delta R.T. -0.02 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	264	Resp:	804622
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.1	28.7
265	22.5	17.9	26.9

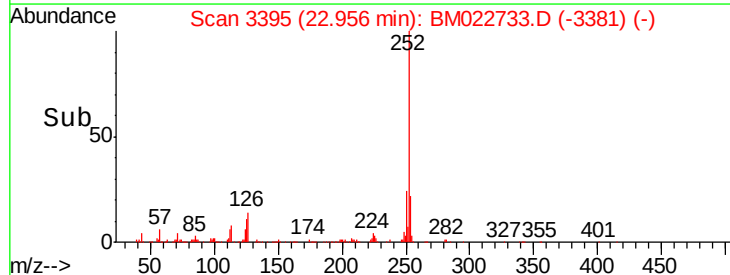
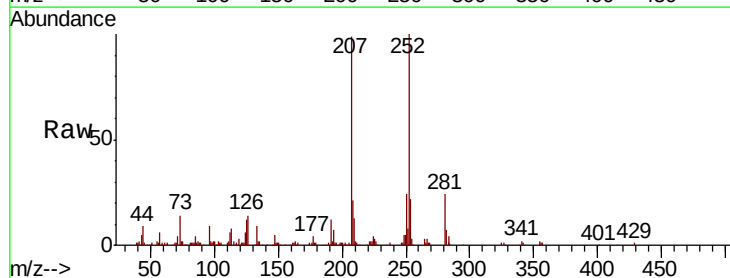
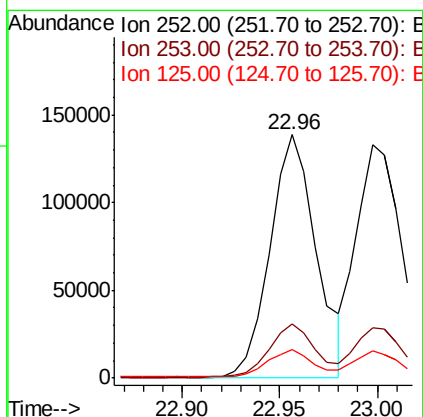
Manual Integrations
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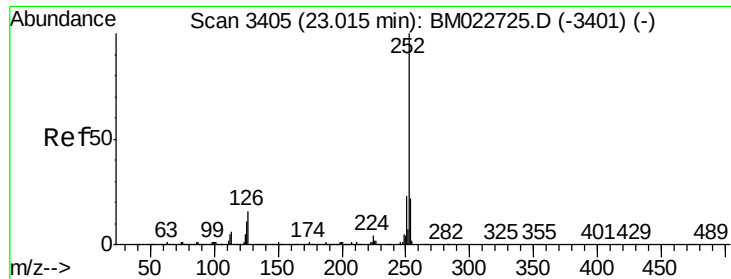
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#88
Benzo(b)fluoranthene
Concen: 4.656 ng
RT: 22.96 min Scan# 3395
Delta R.T. -0.02 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion:	252	Resp:	226829
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.7	26.5
125	11.9	8.2	12.4





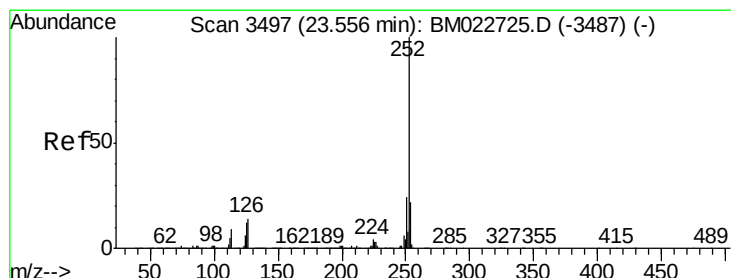
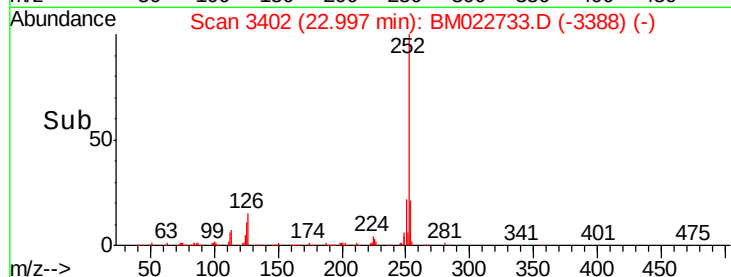
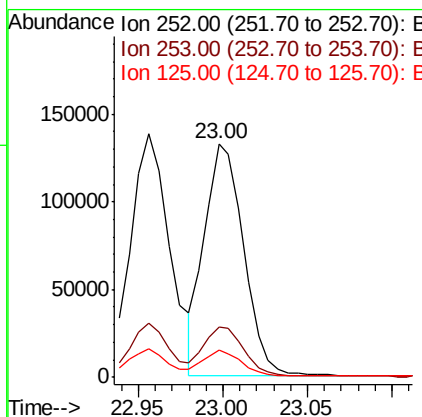
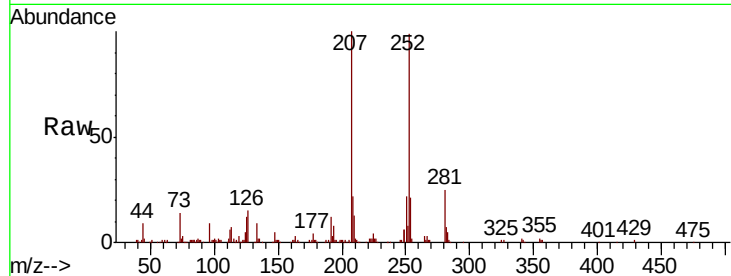
#89
Benzo(k)fluoranthene
Concen: 4.415 ng
RT: 23.00 min Scan# 3402
Delta R.T. -0.02 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	11.7	8.5	12.7

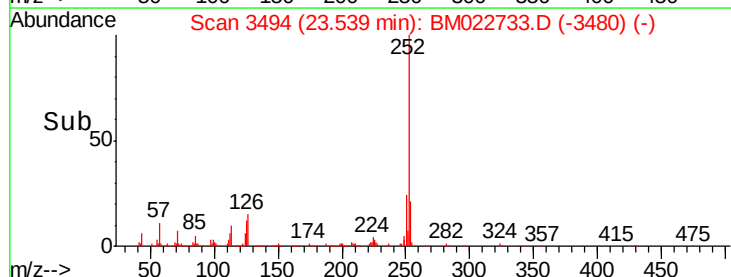
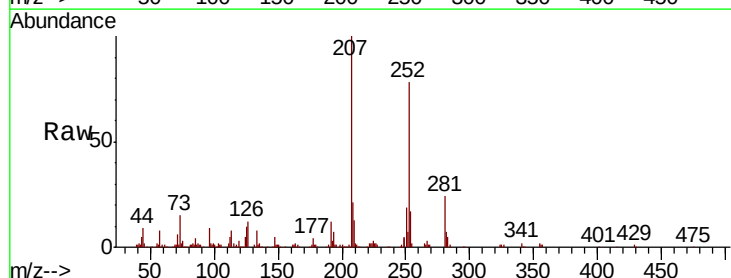
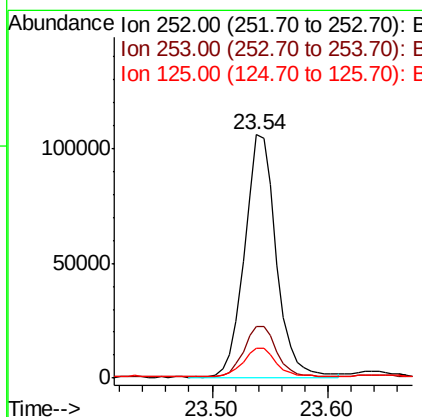
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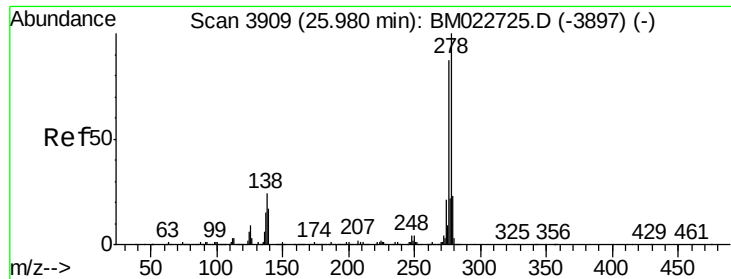
mohammad
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#90
Benzo(a)pyrene
Concen: 4.486 ng
RT: 23.54 min Scan# 3494
Delta R.T. -0.02 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.3	25.9
125	12.5	9.3	13.9





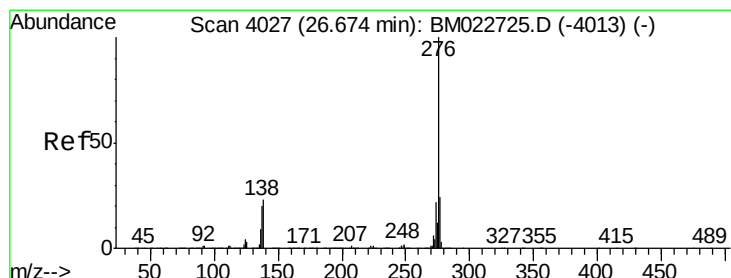
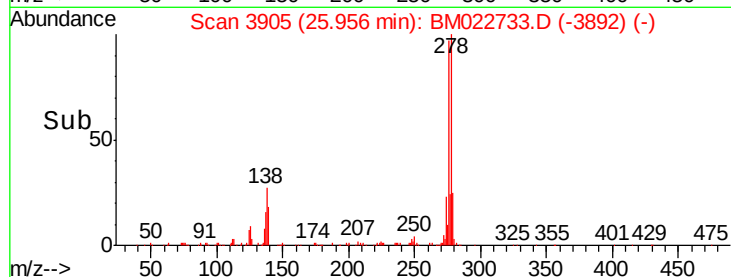
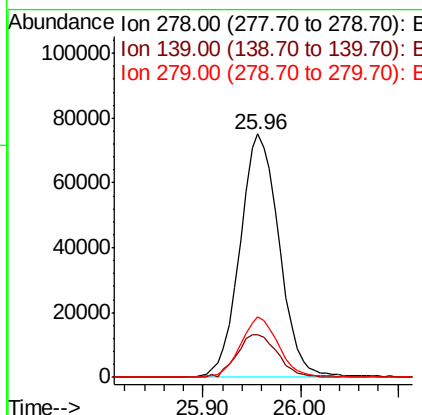
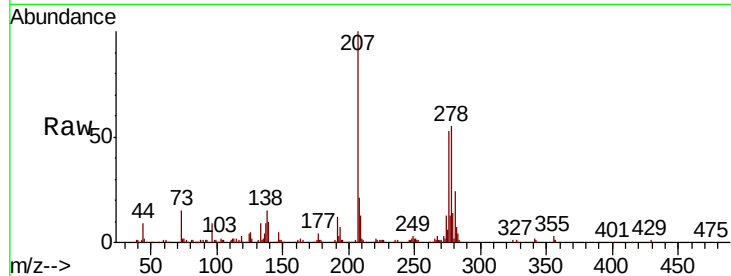
#91
Dibenzo(a,h)anthracene
Concen: 4.465 ng
RT: 25.96 min Scan# 3905
Delta R.T. -0.02 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.7	20.5
279	24.9	18.6	28.0

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:49 AM



#92
Benzo(g,h,i)perylene
Concen: 4.555 ng
RT: 26.65 min Scan# 4023
Delta R.T. -0.02 min
Lab File: BM022733.D
Acq: 20 Sep 2019 19:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	23.3	18.5	27.7

