

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092019\
 Data File : BM022734.D
 Acq On : 20 Sep 2019 20:19
 Operator : HP/JU
 Sample : K3591-01
 Misc : LOD-MDL-S-8PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 9/24/2019 8:34:52 AM

Quant Time: Sep 21 02:26:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 21 02:22:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	193977	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	763785	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	425482	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	807555	20.00	ng	0.00
76) Chrysene-d12	21.37	240	761698	20.00	ng	0.00
87) Perylene-d12	23.64	264	798478	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1174616	96.04	ng	0.00
7) Phenol-d6	6.99	99	1483478	94.43	ng	0.00
23) Nitrobenzene-d5	8.97	82	1067634	77.59	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	483997	91.12	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2392904	77.44	ng	0.00
79) Terphenyl-d14	19.82	244	3118154	79.27	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	42526	8.641	ng	# 100
3) Pyridine	3.73	79	91456	7.050	ng	96
4) n-Nitrosodimethylamine	3.64	42	35088	7.430	ng	# 92
6) Aniline	7.15	93	145212	7.709	ng	100
8) 2-Chlorophenol	7.39	128	99282	7.967	ng	96
9) Benzaldehyde	6.96	77	85046	9.508	ng	99
10) Phenol	7.01	94	118862	8.037	ng	94
11) bis(2-Chloroethyl)ether	7.25	93	90251	7.767	ng	98
12) 1,3-Dichlorobenzene	7.72	146	114956	7.718	ng	99
13) 1,4-Dichlorobenzene	7.86	146	115551	7.663	ng	99
14) 1,2-Dichlorobenzene	8.17	146	109306	7.604	ng	98
15) Benzyl Alcohol	8.06	79	72655	7.391	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.36	45	130550	7.734	ng	99
17) 2-Methylphenol	8.26	107	72238	7.379	ng	99
18) Hexachloroethane	8.90	117	41157	7.442	ng	93
19) n-Nitroso-di-n-propylamine	8.63	70	66071	7.532	ng	96
20) 3+4-Methylphenols	8.59	107	94402	7.240	ng	99
22) Acetophenone	8.65	105	139752	7.413	ng	# 100
24) Nitrobenzene	9.02	77	108599	8.249	ng	98
25) Isophorone	9.55	82	163863	7.243	ng	100
26) 2-Nitrophenol	9.73	139	35274	6.207	ng	99
27) 2,4-Dimethylphenol	9.79	122	71946	7.562	ng	99
28) bis(2-Chloroethoxy)methane	10.03	93	116541	7.444	ng	98
29) 2,4-Dichlorophenol	10.26	162	73823	6.863	ng	97
30) 1,2,4-Trichlorobenzene	10.48	180	97867	7.395	ng	99
31) Naphthalene	10.67	128	298593	7.912	ng	99
32) Benzoic acid	9.85	122	24625m	4.021	ng	
33) 4-Chloroaniline	10.77	127	118798	7.250	ng	99
34) Hexachlorobutadiene	10.96	225	56597	7.174	ng	98
35) Caprolactam	11.55	113	18340m	5.751	ng	
36) 4-Chloro-3-methylphenol	11.89	107	71821	6.843	ng	98
37) 2-Methylnaphthalene	12.28	142	202787	7.720	ng	100
38) 1-Methylnaphthalene	12.50	142	188525	7.561	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	101083	7.011	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.64	237	55405	7.044	ng	98
43) 2,4,6-Trichlorophenol	12.89	196	52189	6.272	ng	97
44) 2,4,5-Trichlorophenol	12.95	196	61378	7.078	ng	99
46) 1,1'-Biphenyl	13.29	154	253476	7.198	ng	99
47) 2-Chloronaphthalene	13.33	162	198787	7.574	ng	99
48) 2-Nitroaniline	13.53	65	39957	5.846	ng	95
49) Acenaphthylene	14.18	152	291330	7.496	ng	100
50) Dimethylphthalate	13.91	163	219261	7.131	ng	99
51) 2,6-Dinitrotoluene	14.02	165	42039	6.536	ng	90
52) Acenaphthene	14.52	154	185513	7.296	ng	97
53) 3-Nitroaniline	14.35	138	42266	5.708	ng	# 95
54) 2,4-Dinitrophenol	14.56	184	13153	4.331	ng	99
55) Dibenzofuran	14.86	168	293658	7.911	ng	100
56) 4-Nitrophenol	14.65	139	32466	5.705	ng	92
57) 2,4-Dinitrotoluene	14.81	165	47265	5.609	ng	89
58) Fluorene	15.50	166	225737	7.483	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.08	232	46354	6.130	ng	97
60) Diethylphthalate	15.27	149	204471	6.839	ng	99
61) 4-Chlorophenyl-phenylether	15.50	204	114958	7.417	ng	97
62) 4-Nitroaniline	15.51	138	44465	5.728	ng	98
63) Azobenzene	15.79	77	191481	7.092	ng	98
65) 4,6-Dinitro-2-methylphenol	15.57	198	20406	5.396	ng	91
66) n-Nitrosodiphenylamine	15.71	169	187261	7.590	ng	99
67) 4-Bromophenyl-phenylether	16.39	248	62936	7.007	ng	99
68) Hexachlorobenzene	16.51	284	74745	7.136	ng	98
69) Atrazine	16.66	200	50598	6.309	ng	100
70) Pentachlorophenol	16.84	266	31170	5.580	ng	100
71) Phenanthrene	17.23	178	351679	7.718	ng	99
72) Anthracene	17.33	178	326397	7.391	ng	100
73) Carbazole	17.59	167	298799	7.271	ng	100
74) Di-n-butylphthalate	18.16	149	267222	5.735	ng	99
75) Fluoranthene	19.25	202	365550	7.109	ng	99
77) Benzidine	19.43	184	134851	6.453	ng	99
78) Pyrene	19.61	202	384760	7.708	ng	99
80) Butylbenzylphthalate	20.52	149	99089	5.223	ng	96
81) Benzo(a)anthracene	21.36	228	368556	7.466	ng	99
82) 3,3'-Dichlorobenzidine	21.29	252	115305	6.586	ng	99
83) Chrysene	21.41	228	363359	7.592	ng	99
84) Bis(2-ethylhexyl)phthalate	21.30	149	148247	5.274	ng	98
85) Di-n-octyl phthalate	22.18	149	222821	4.974	ng	96
86) Indeno(1,2,3-cd)pyrene	25.95	276	402216	7.041	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	348867	7.216	ng	99
89) Benzo(k)fluoranthene	23.00	252	359249	7.489	ng	100
90) Benzo(a)pyrene	23.54	252	325555	7.308	ng	100
91) Dibenzo(a,h)anthracene	25.96	278	341955	7.338	ng	99
92) Benzo(g,h,i)perylene	26.65	276	332390	7.510	ng	100

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

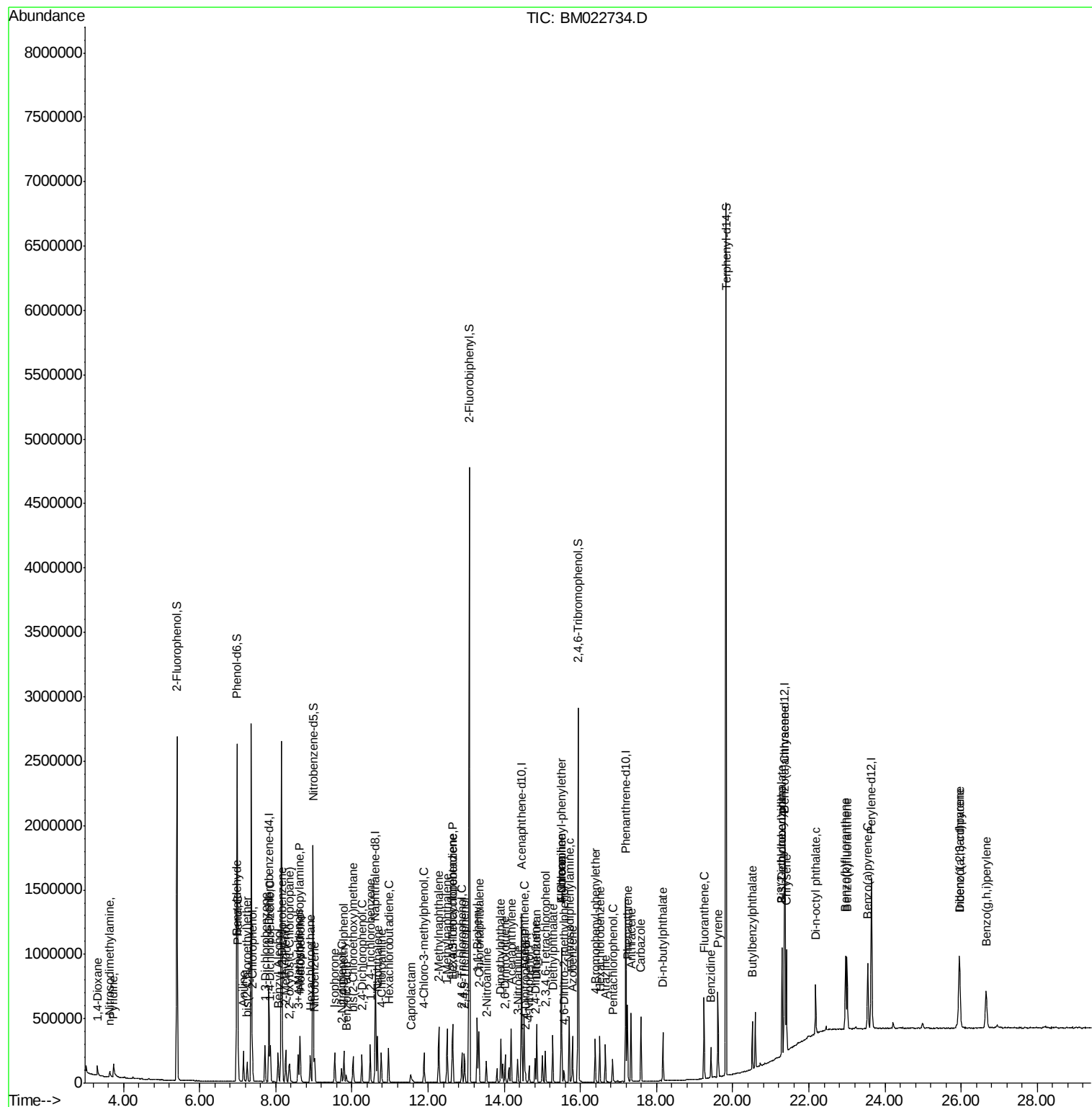
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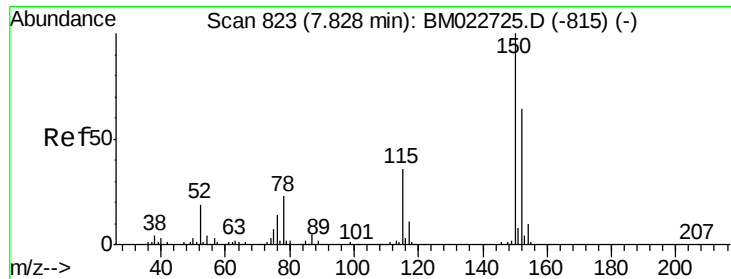
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#1

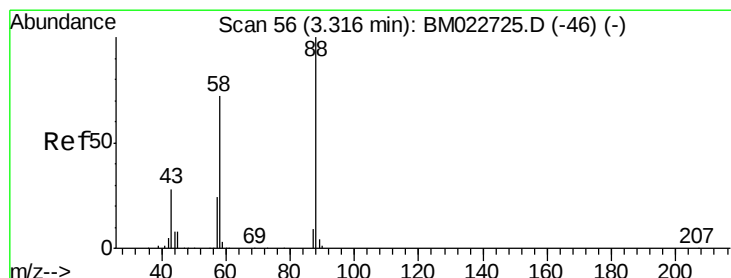
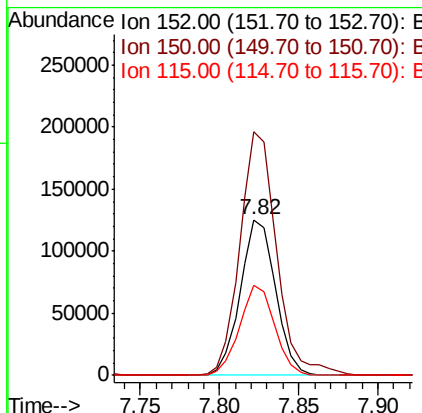
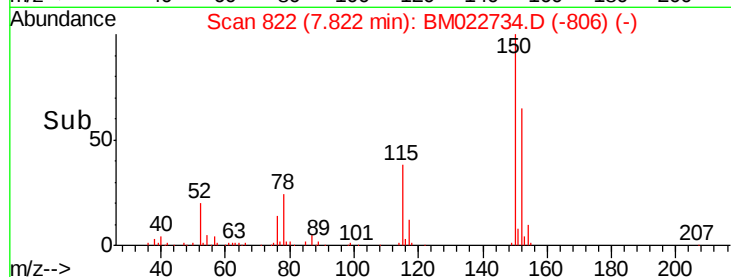
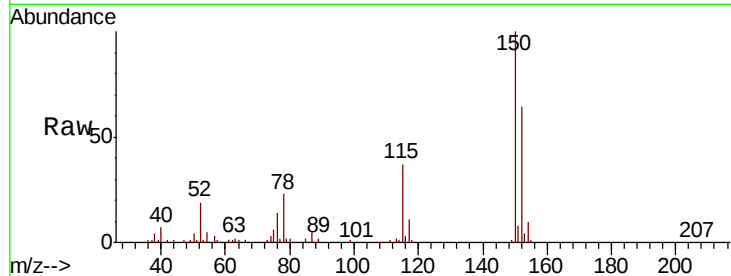
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.5	186.7
115	57.8	45.0	67.4

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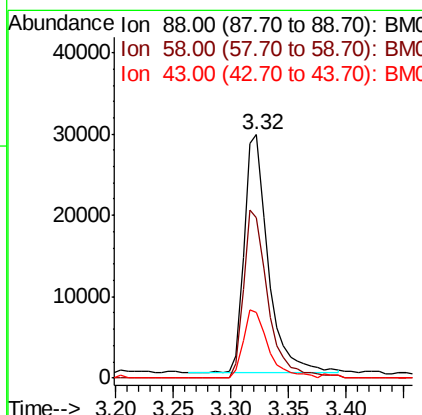
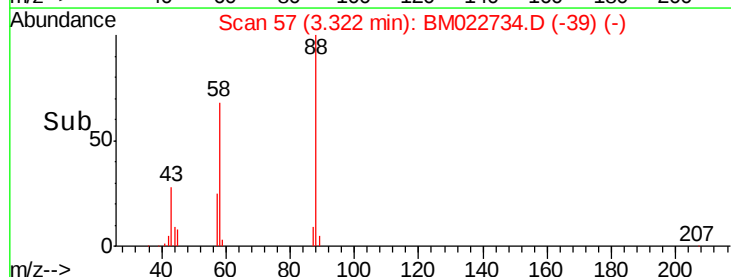
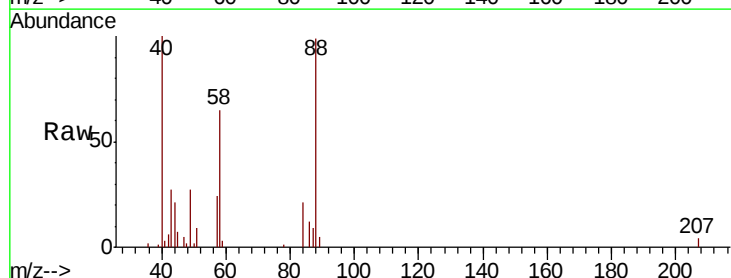
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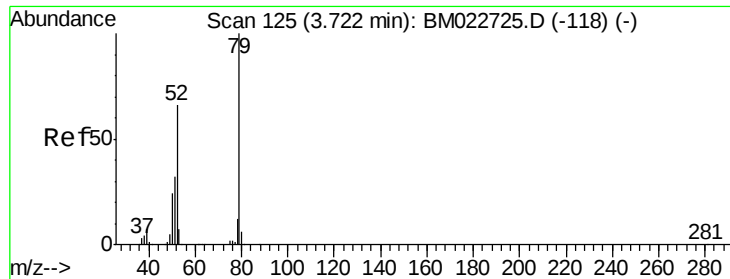


#2

1,4-Dioxane
Concen: 8.641 ng
RT: 3.32 min Scan# 57
Delta R.T. 0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.0	0.0	0.0#
43	29.5	0.0	0.0#





#3

Pvridine

Concen: 7.050 ng

RT: 3.73 min Scan# 127

Delta R.T. 0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

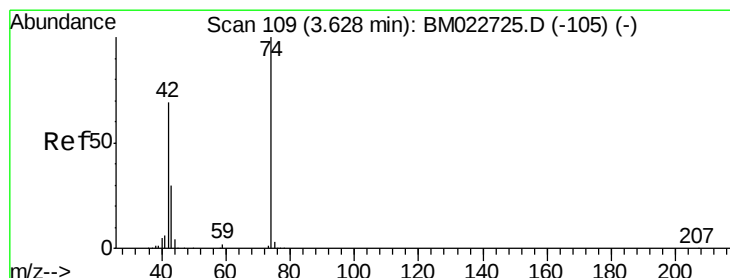
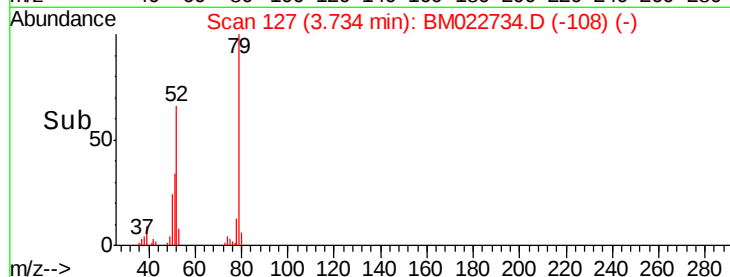
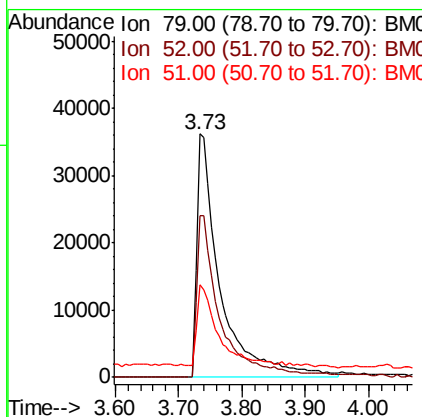
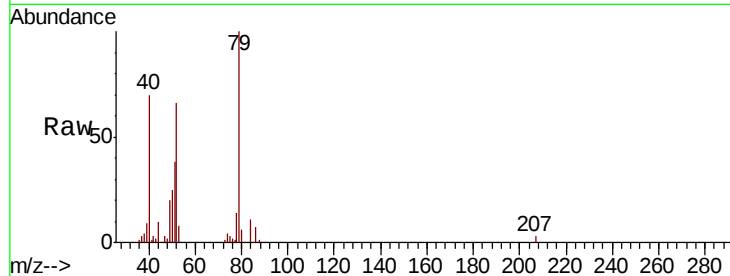
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	79	Resp:	91456
Ion Ratio	Lower	Upper	
79	100		
52	66.4	52.4	78.6
51	38.3	26.2	39.4

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#4

n-Nitrosodimethylamine

Concen: 7.430 ng

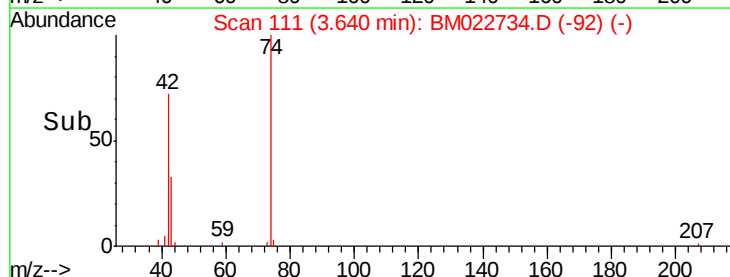
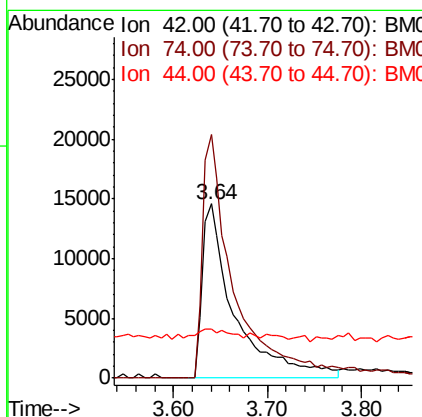
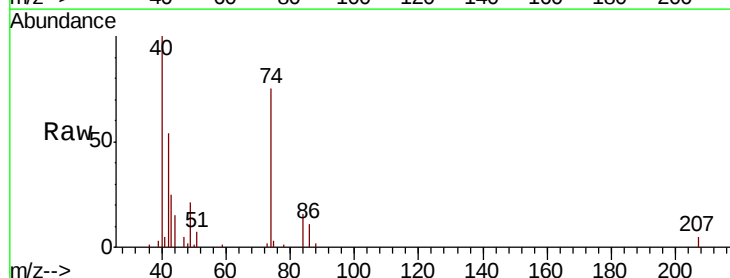
RT: 3.64 min Scan# 111

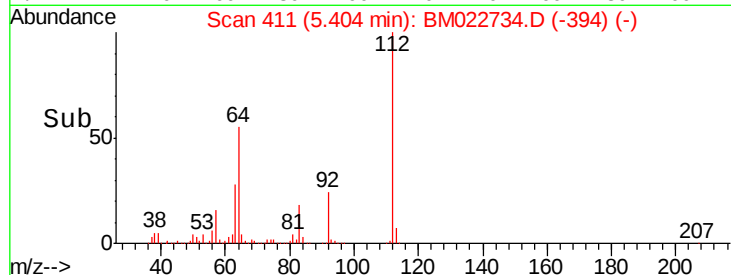
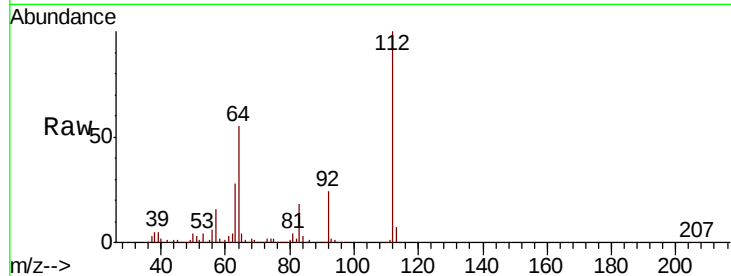
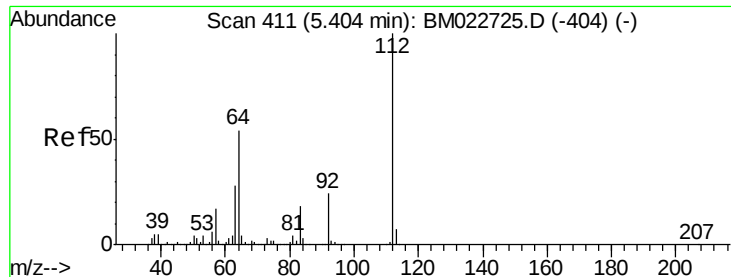
Delta R.T. 0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:	42	Resp:	35088
Ion Ratio	Lower	Upper	
42	100		
74	139.7	116.6	175.0
44	27.8	8.2	12.4#





#5

2-Fluorophenol

Concen: 96.037 ng

RT: 5.40 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion: 112 Resp: 1174616

Ion Ratio Lower Upper

112 100

64 54.9 43.4 65.2

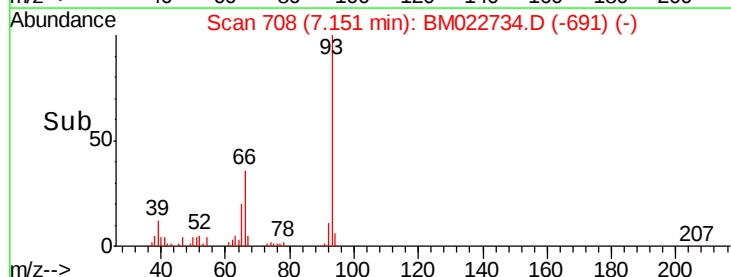
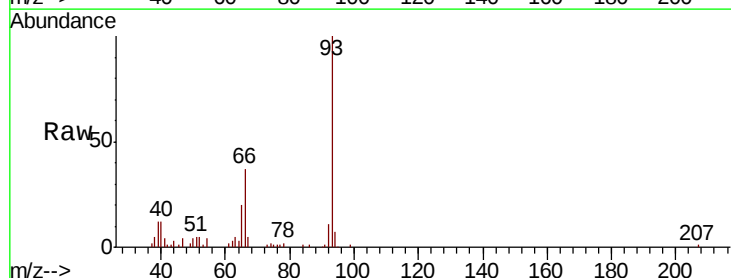
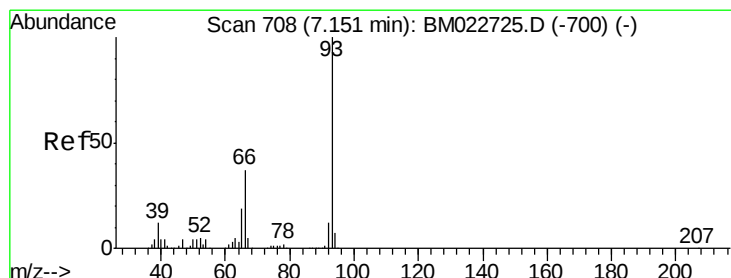
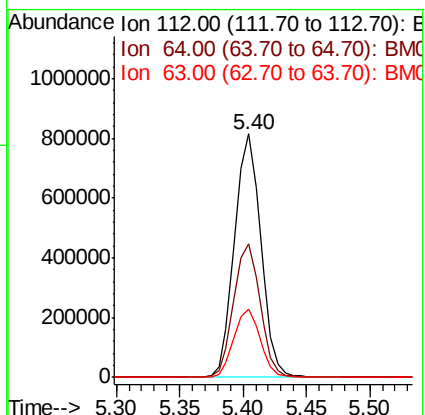
63 27.8 22.1 33.1

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#6

Aniline

Concen: 7.709 ng

RT: 7.15 min Scan# 708

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

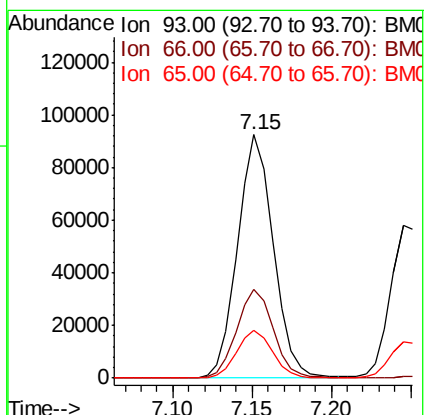
Tgt Ion: 93 Resp: 145212

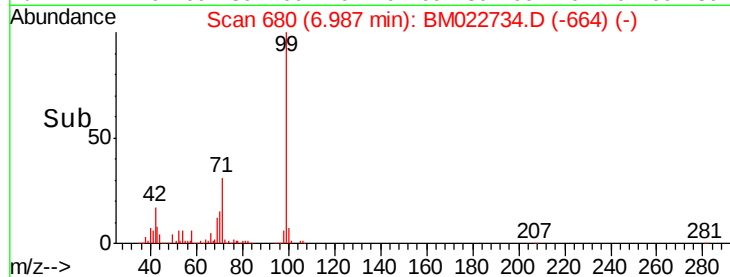
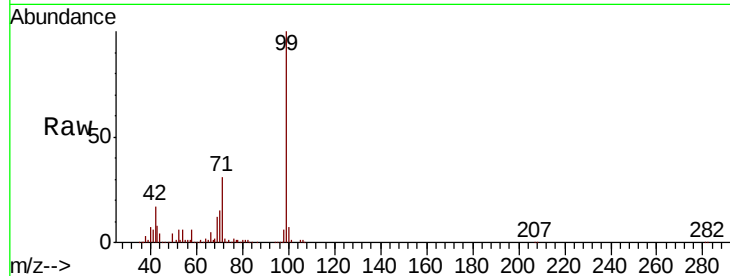
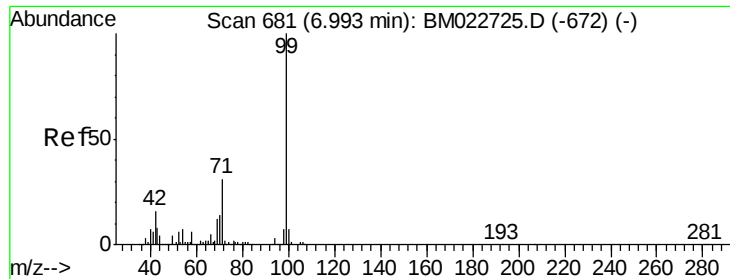
Ion Ratio Lower Upper

93 100

66 36.5 29.3 43.9

65 19.5 15.3 22.9





#7

Phenol-d6

Concen: 94.434 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tot Ion: 99 Resp: 1483478

Ion Ratio Lower Upper

99 100

42 16.5 13.0 19.4

71 30.7 24.7 37.1

Instrument :

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ClientSampleId :

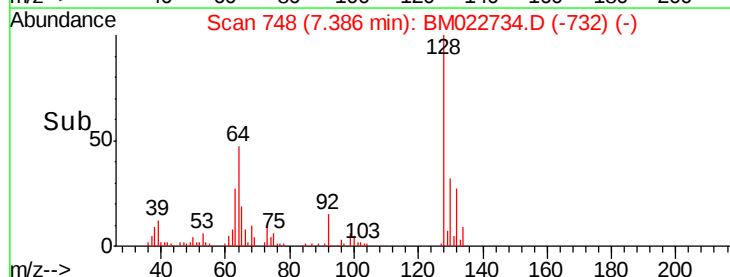
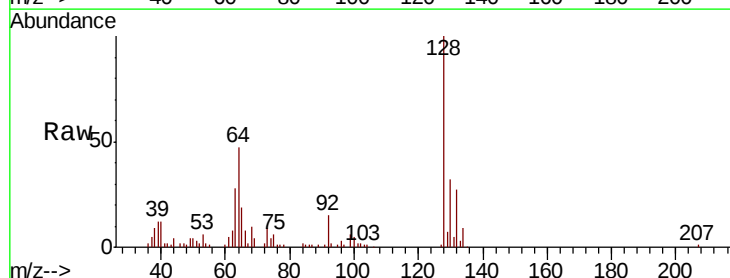
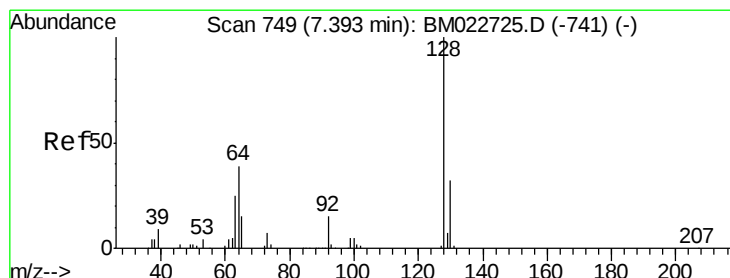
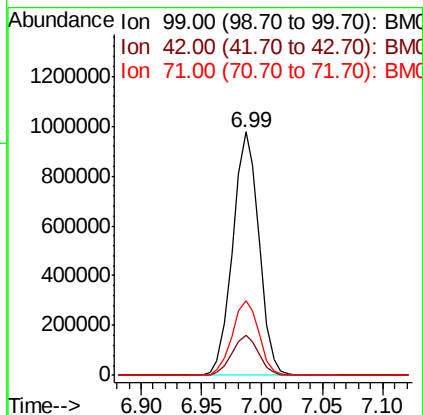
LOD-MDL-SOIL-01-QT3-2019

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#8

2-Chlorophenol

Concen: 7.967 ng

RT: 7.39 min Scan# 748

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

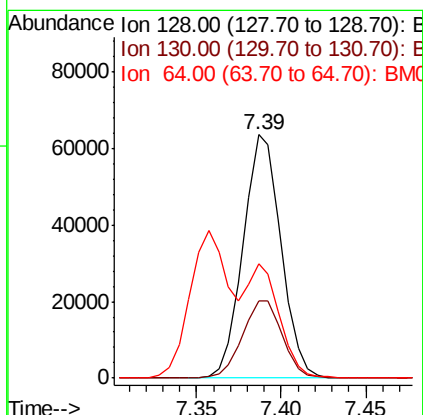
Tgt Ion: 128 Resp: 99282

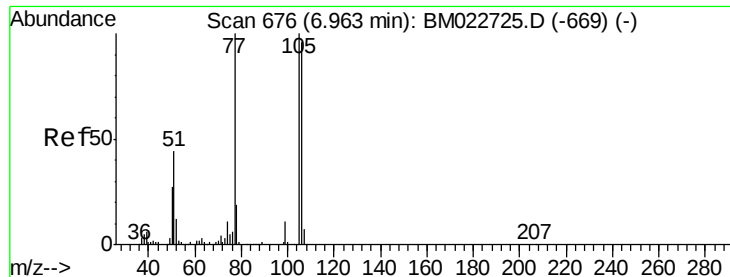
Ion Ratio Lower Upper

128 100

130 31.6 12.1 52.1

64 46.7 22.9 62.9





#9

Benzaldehyde

Concen: 9.508 ng

RT: 6.96 min Scan# 676

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

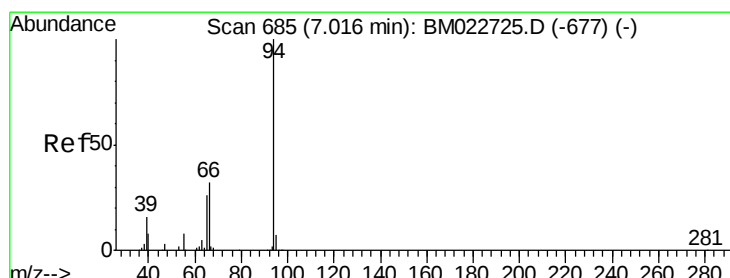
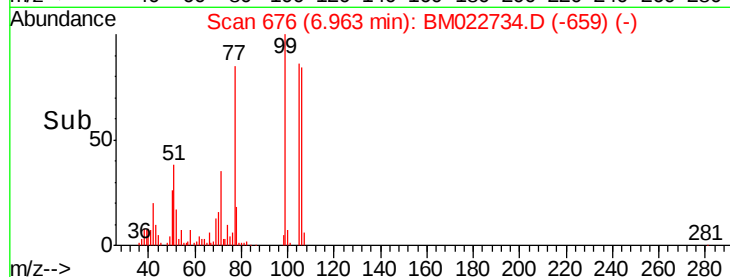
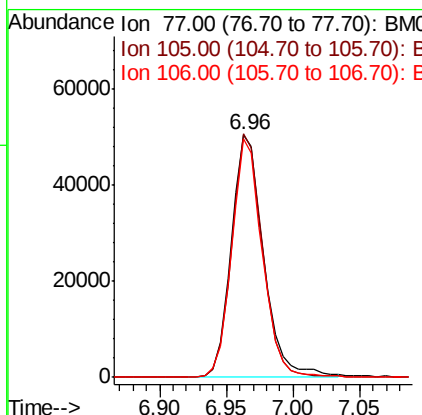
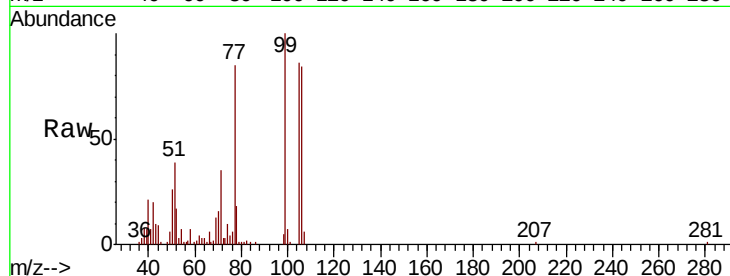
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
77	100		
105	100.3	79.6	119.6
106	98.1	76.3	116.3

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#10

Phenol

Concen: 8.037 ng

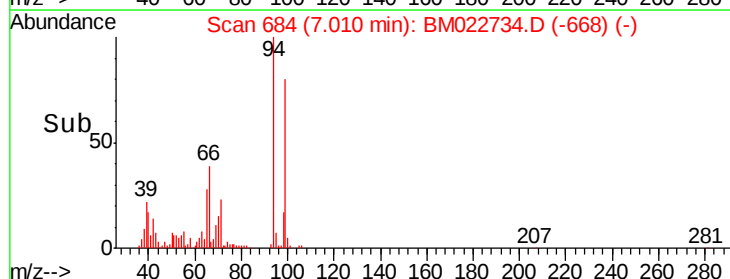
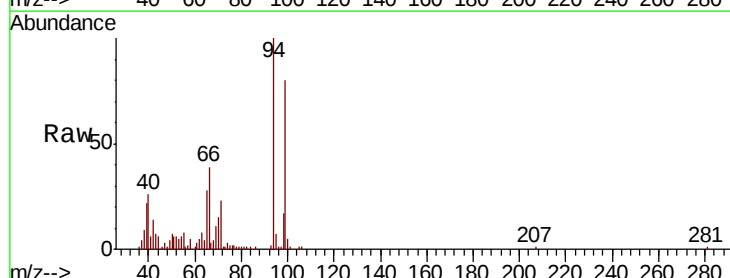
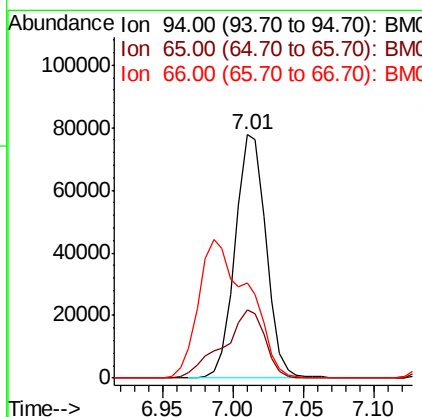
RT: 7.01 min Scan# 684

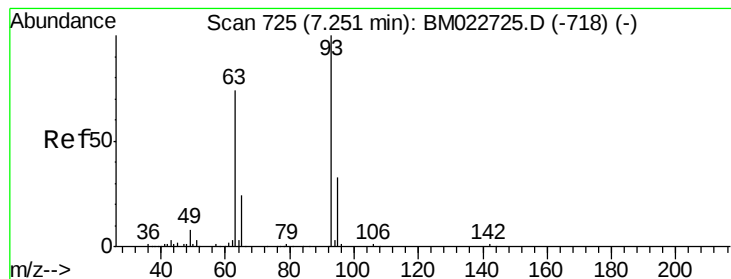
Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.2	6.7	46.7
66	39.0	13.8	53.8





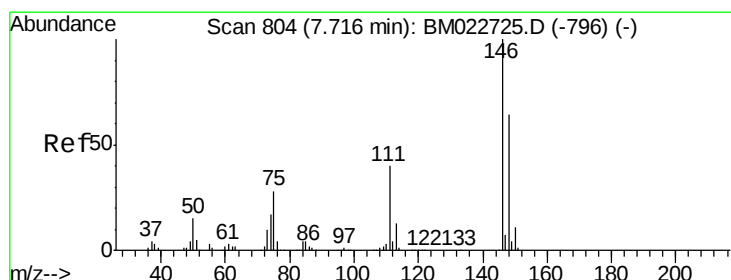
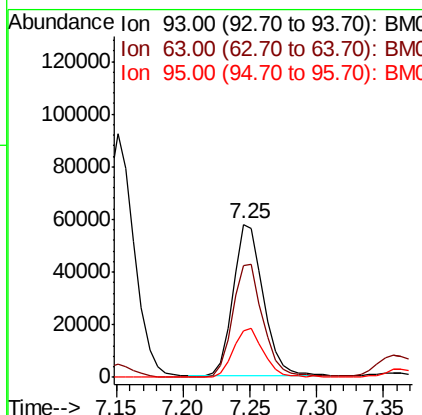
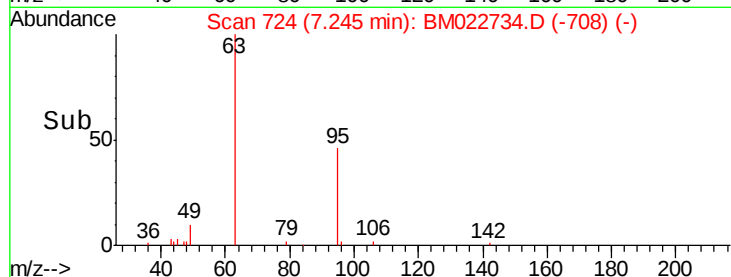
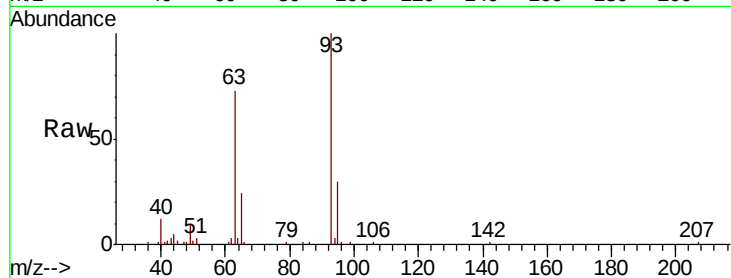
#11
bis(2-Chloroethyl)ether
Concen: 7.767 ng
RT: 7.25 min Scan# 724
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion:	93	Resp:	90251
Ion Ratio	Lower	Upper	
93	100		
63	73.3	53.8	93.8
95	30.2	12.7	52.7

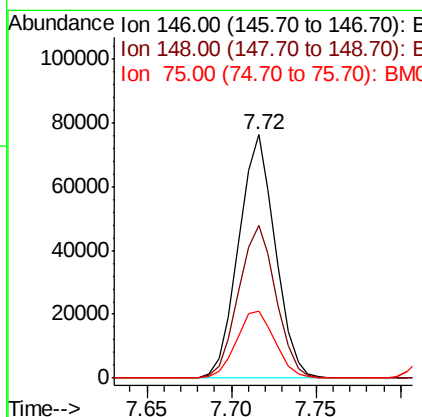
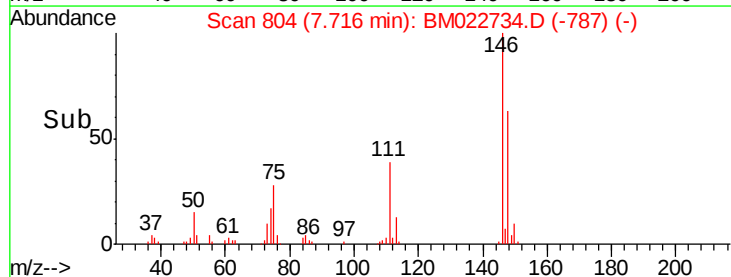
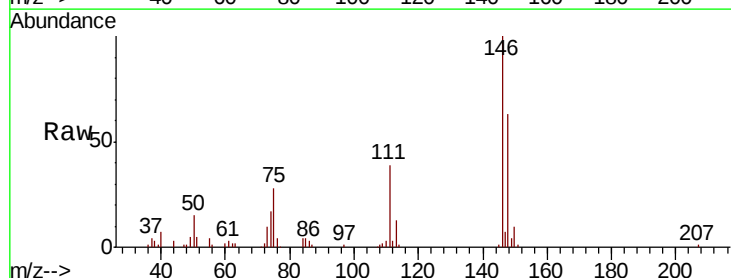
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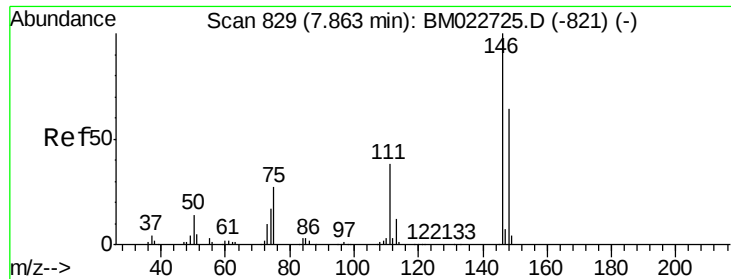
mohammad
9/24/2019 8:34:52 AM



#12
1,3-Dichlorobenzene
Concen: 7.718 ng
RT: 7.72 min Scan# 804
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion:	146	Resp:	114956
Ion Ratio	Lower	Upper	
146	100		
148	63.0	51.3	76.9
75	27.8	22.5	33.7





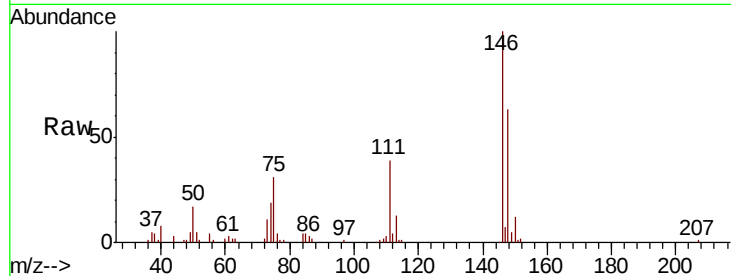
#13
 1,4-Dichlorobenzene
 Concen: 7.663 ng
 RT: 7.86 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.4	77.0
111	39.2	30.9	46.3

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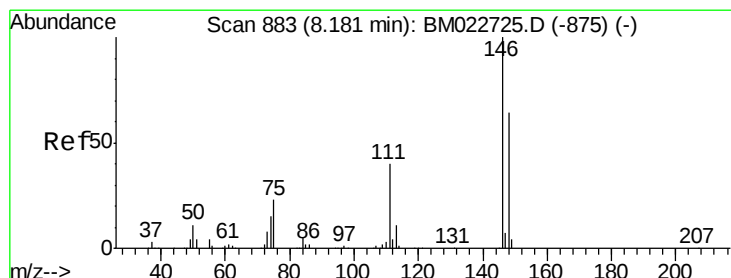
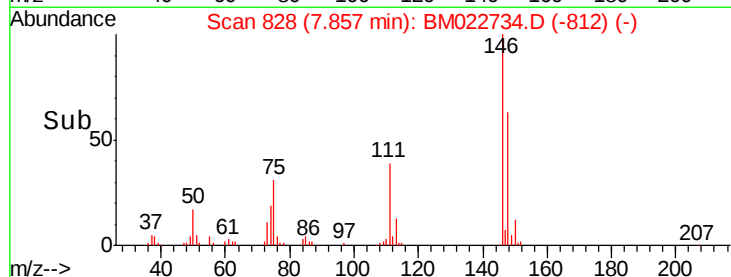
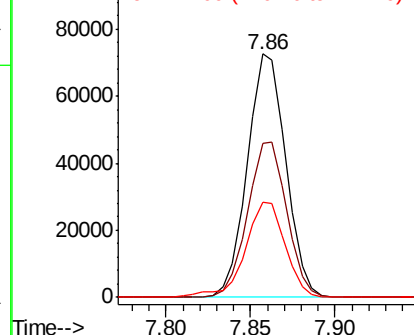


Abundance

Ion 146.00 (145.70 to 146.70): E

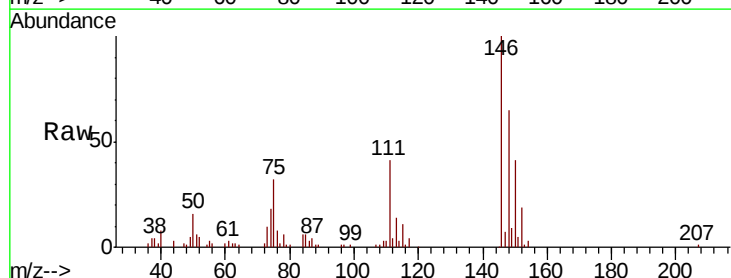
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 7.604 ng
 RT: 8.17 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.3	76.9
111	41.4	32.3	48.5

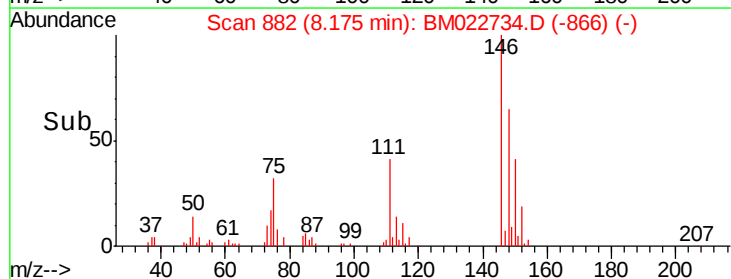
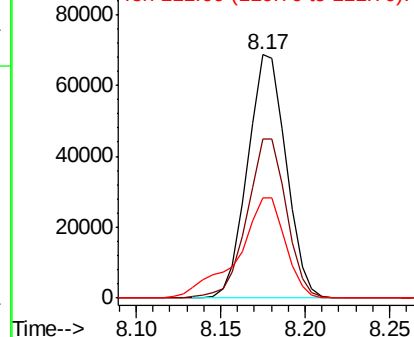


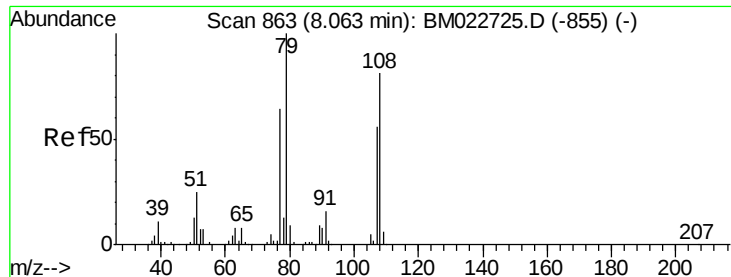
Abundance

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: 7.391 ng

RT: 8.06 min Scan# 863

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

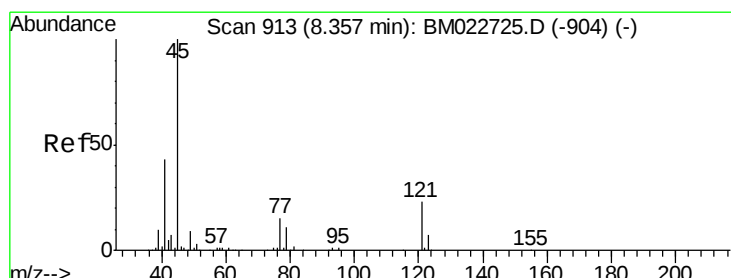
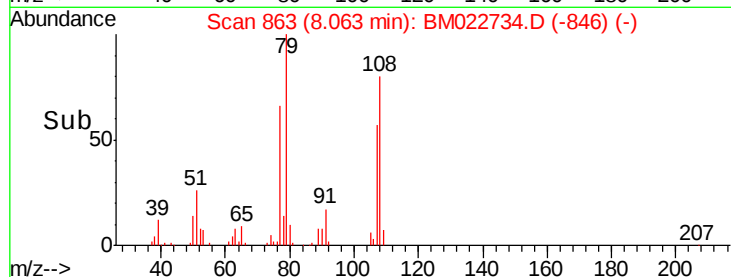
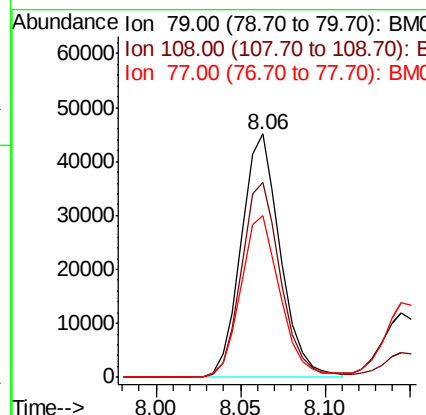
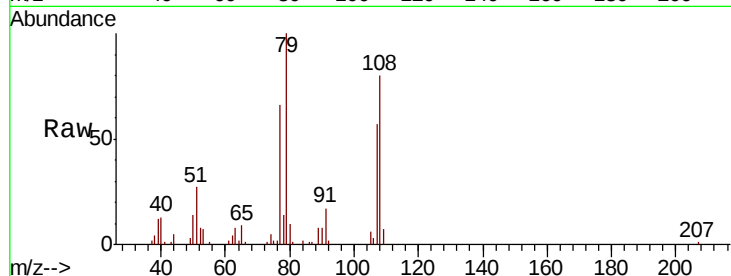
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	79	Resp:	72655
Ion Ratio	Lower	Upper	
79	100		
108	80.2	64.9	97.3
77	66.4	51.1	76.7

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#16

2,2'-oxybis(1-chloropropane)

Concen: 7.734 ng

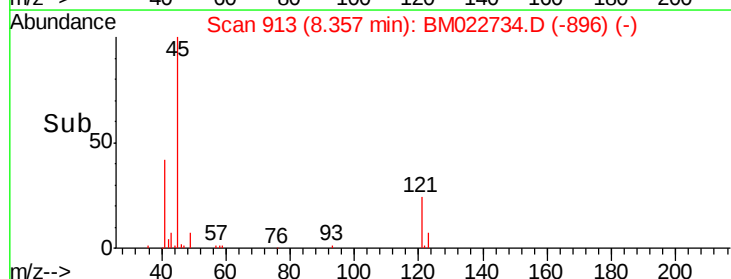
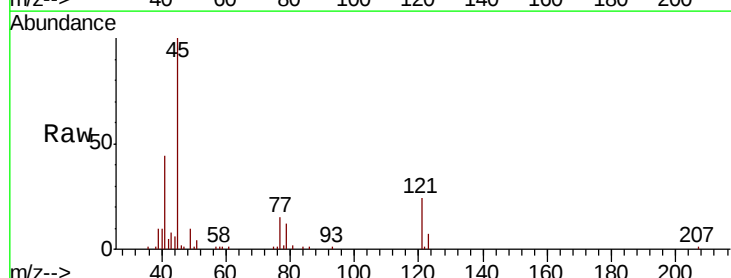
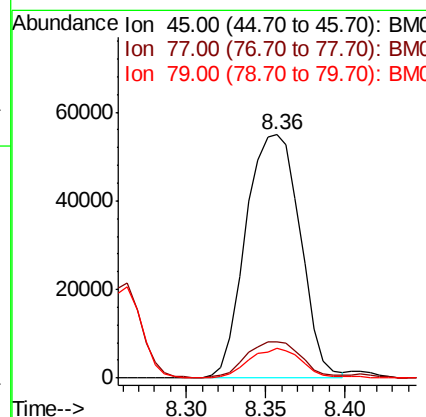
RT: 8.36 min Scan# 913

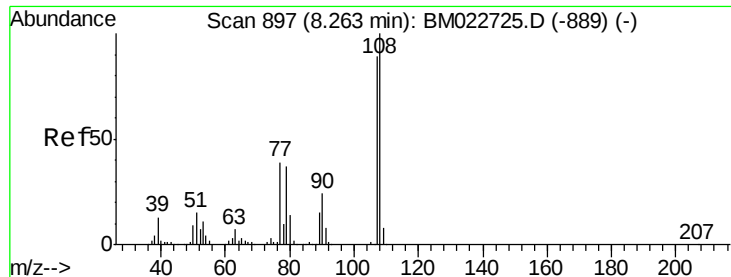
Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:	45	Resp:	130550
Ion Ratio	Lower	Upper	
45	100		
77	14.9	0.0	35.1
79	12.1	0.0	31.4





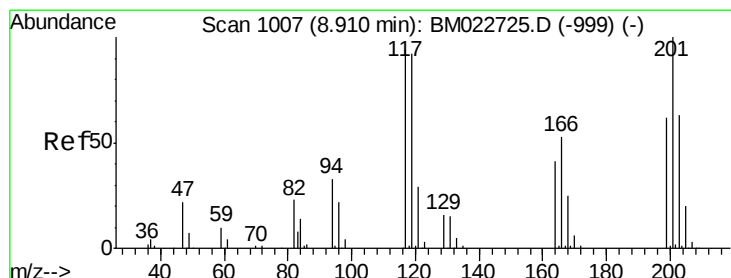
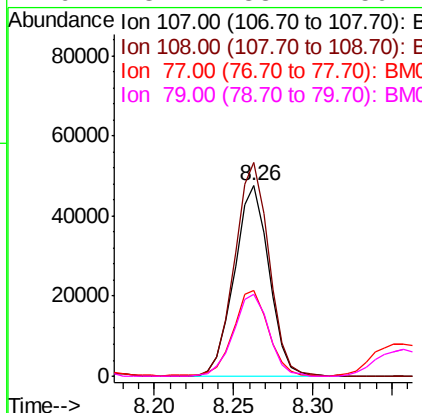
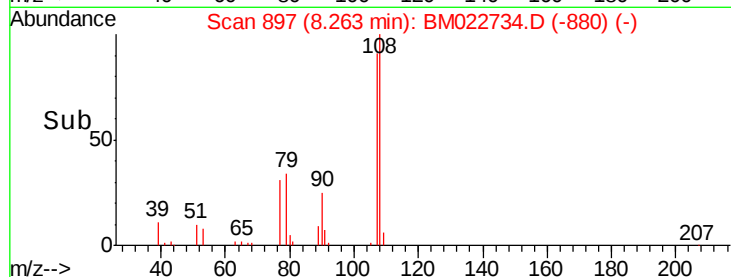
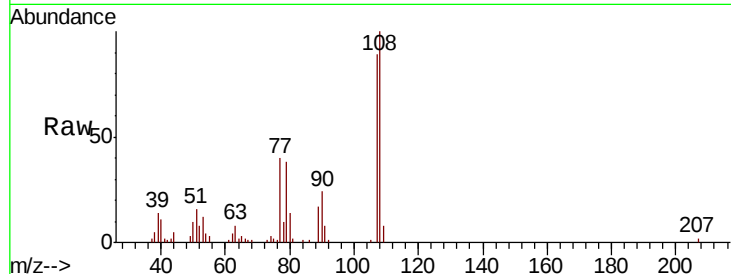
#17
2-Methylphenol
Concen: 7.379 ng
RT: 8.26 min Scan# 897
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.3	90.0	135.0	
77	45.3	35.2	52.8	
79	43.2	33.4	50.2	

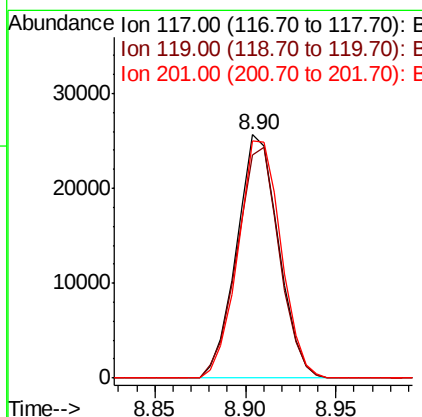
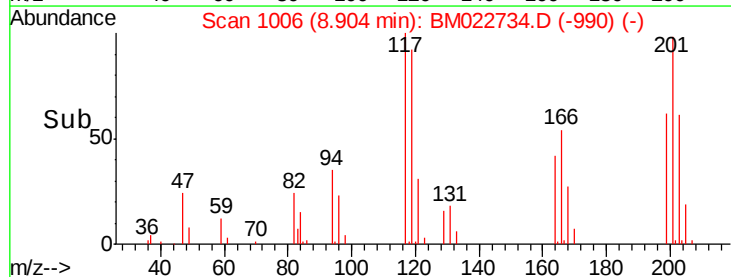
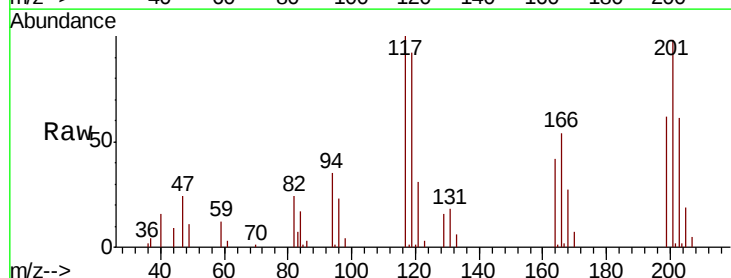
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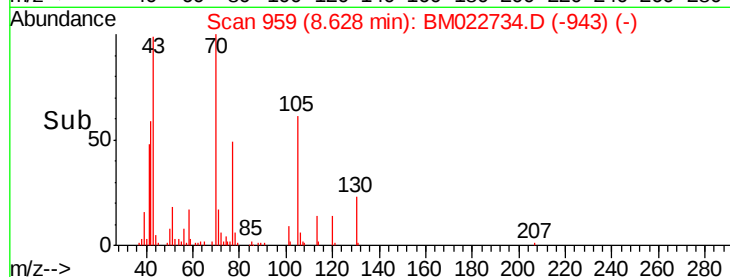
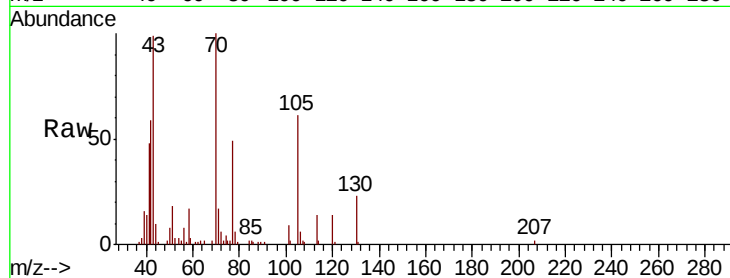
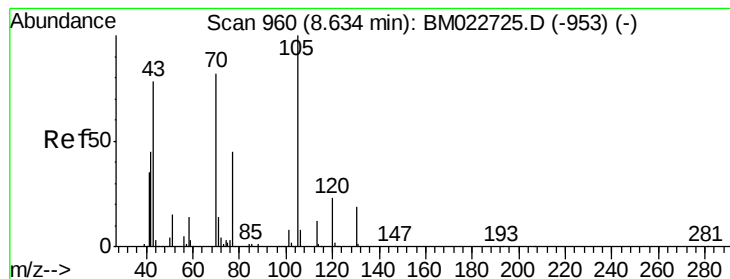
mohammad
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#18
Hexachloroethane
Concen: 7.442 ng
RT: 8.90 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	91.5	78.0	117.0	
201	97.5	85.0	127.6	





#19

n-Nitroso-di-n-propylamine

Concen: 7.532 ng

RT: 8.63 min Scan# 959

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	59.3	44.4	66.6	
101	8.9	7.8	11.6	
130	22.7	18.2	27.4	

Instrument :

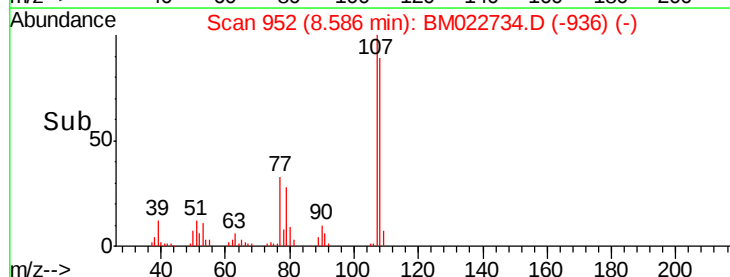
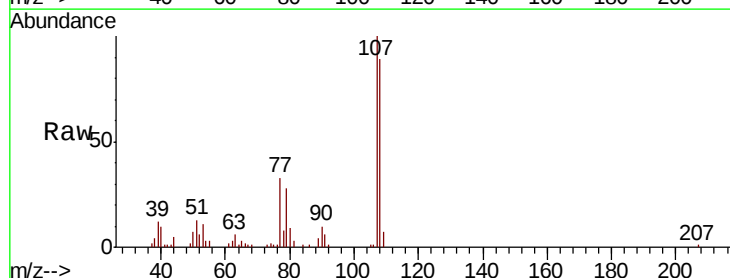
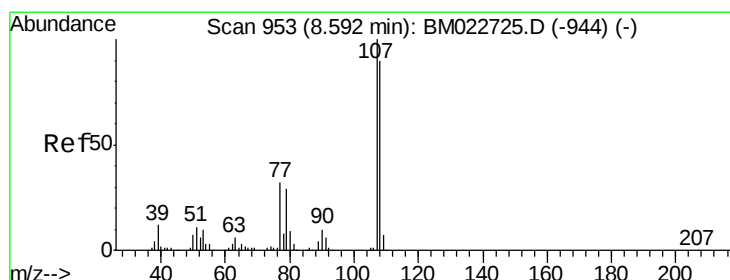
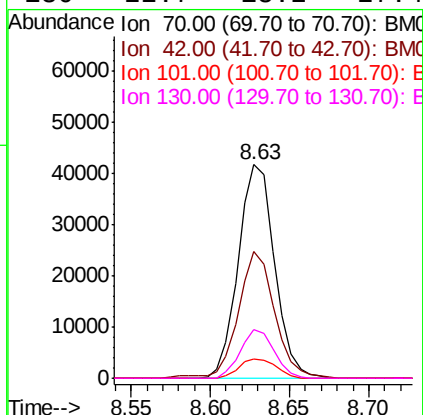
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

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#20

3+4-Methylphenols

Concen: 7.240 ng

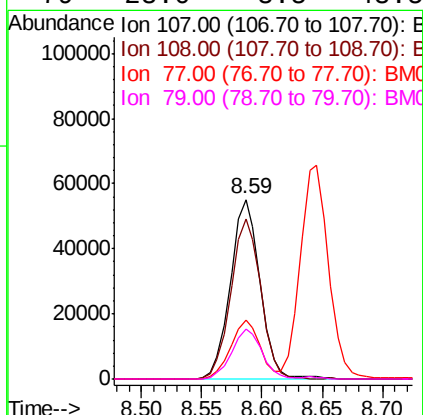
RT: 8.59 min Scan# 952

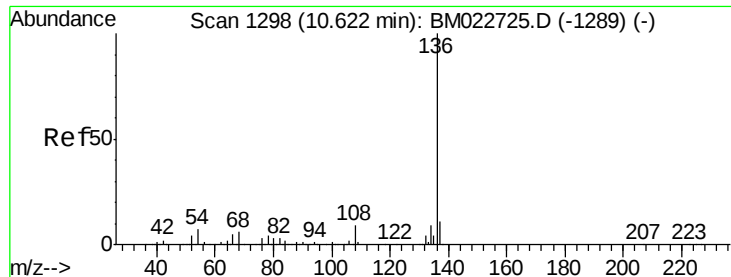
Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.3	70.1	110.1	
77	32.7	12.1	52.1	
79	28.0	8.5	48.5	





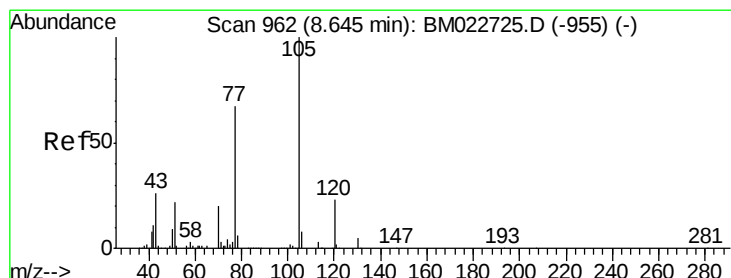
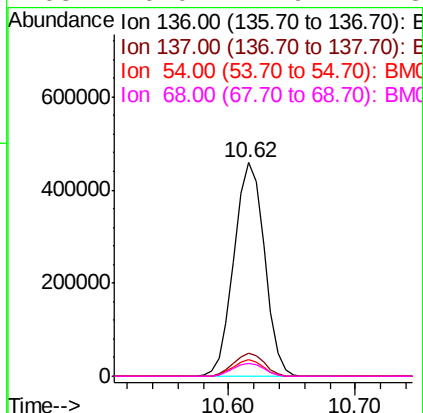
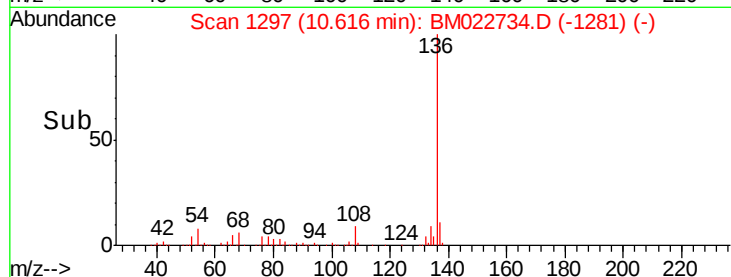
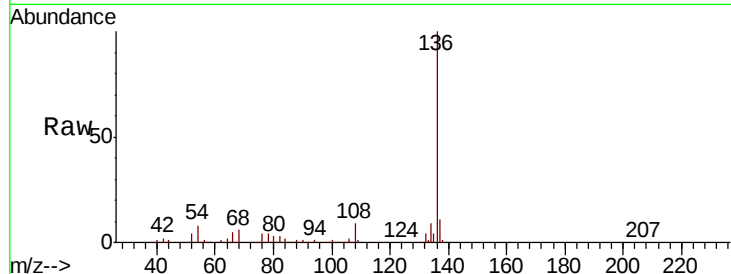
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100	763785		
137	10.9	8.6	13.0	
54	7.6	6.0	9.0	
68	6.0	4.9	7.3	

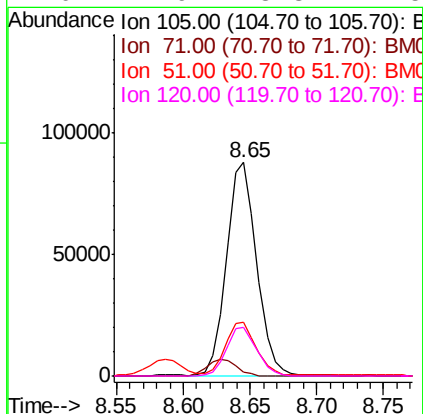
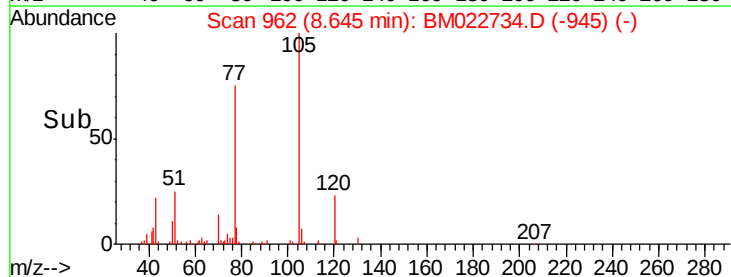
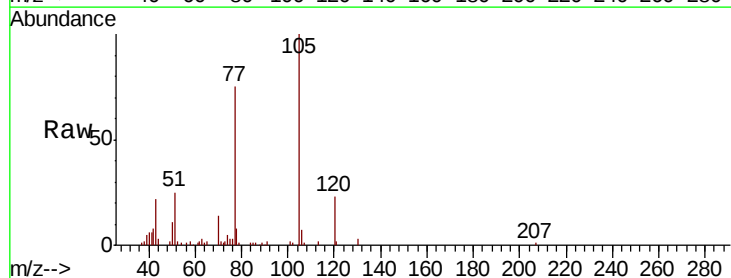
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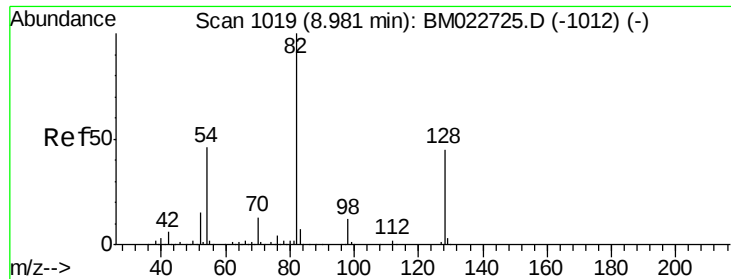
mohammad
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#22
Acetophenone
Concen: 7.413 ng
RT: 8.65 min Scan# 962
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	139752		
71	2.0	2.7	4.1#	
51	24.9	19.9	29.9	
120	22.9	18.3	27.5	





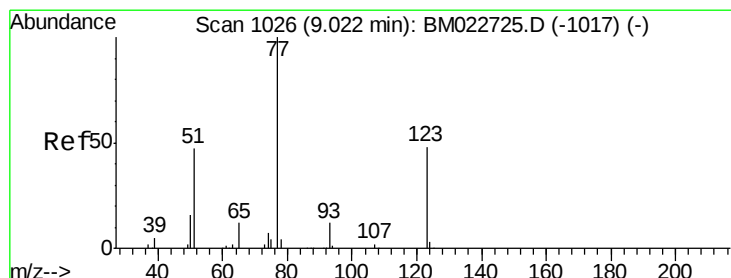
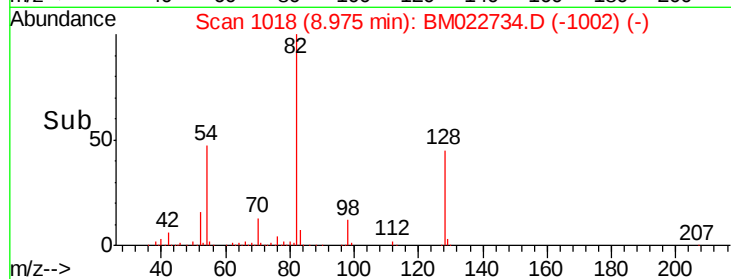
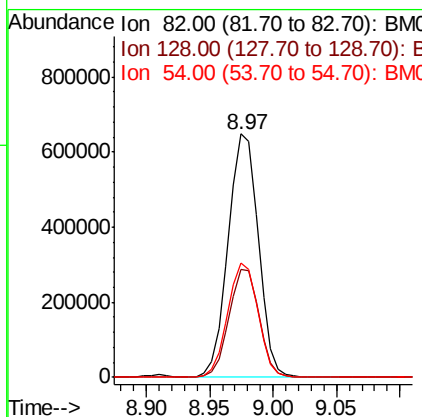
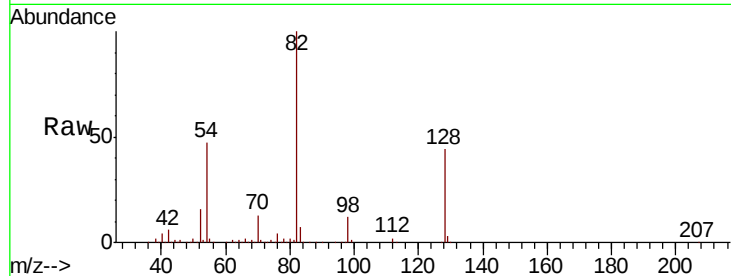
#23
 Nitrobenzene-d5
 Concen: 77.593 ng
 RT: 8.97 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.0	54.0
54	46.9	37.1	55.7

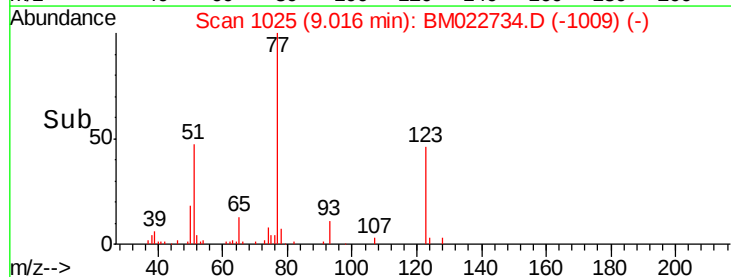
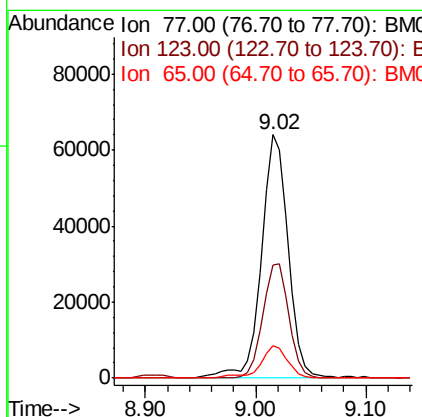
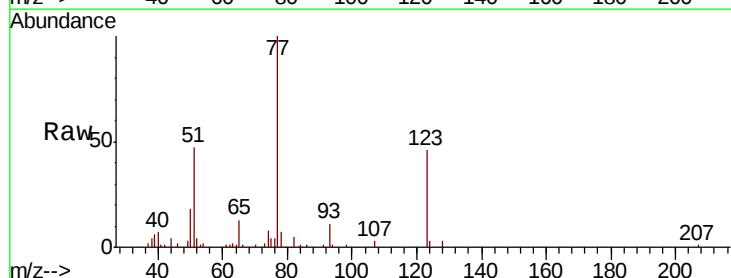
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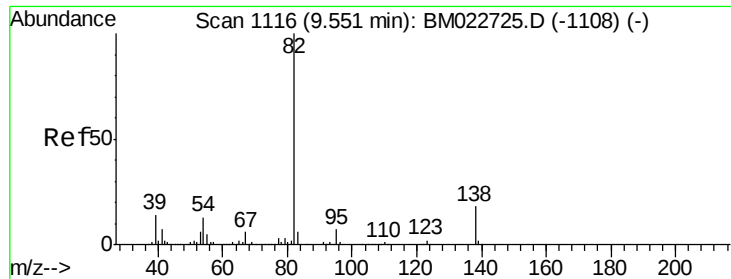
mohammad
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#24
 Nitrobenzene
 Concen: 8.249 ng
 RT: 9.02 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.3	38.0	57.0
65	13.1	10.0	15.0





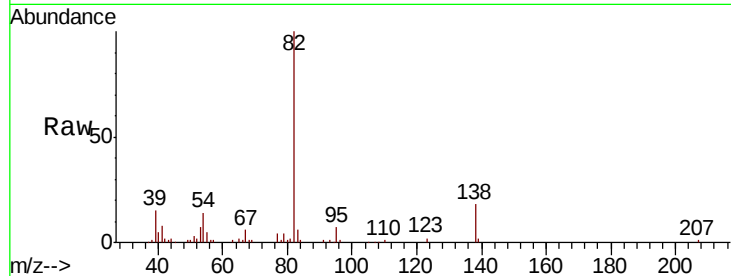
#25
Isophorone
Concen: 7.243 ng
RT: 9.55 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

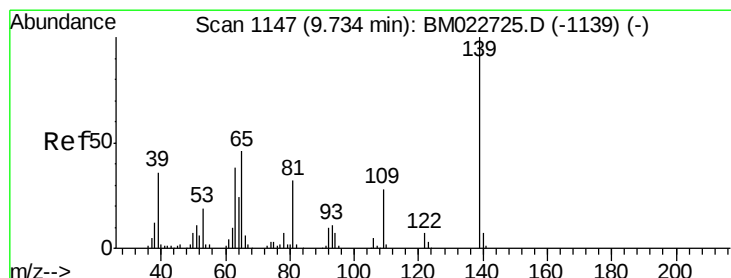
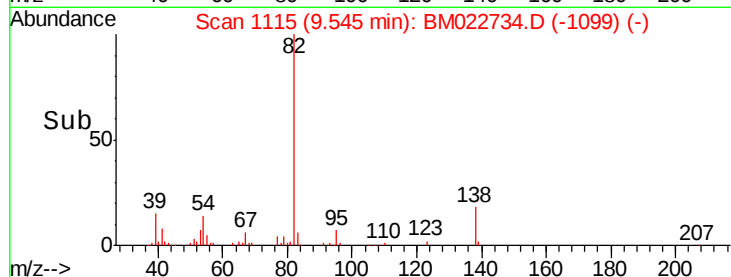
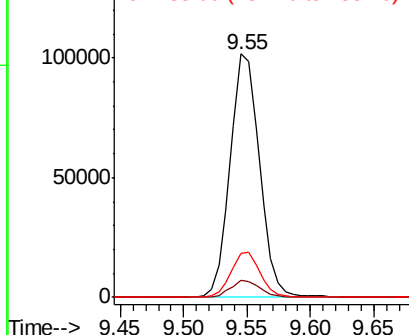
Tot Ion	Ratio	Resp	Lower	Upper
82	100	163863		
95	7.1		5.4	8.0
138	18.3		14.7	22.1

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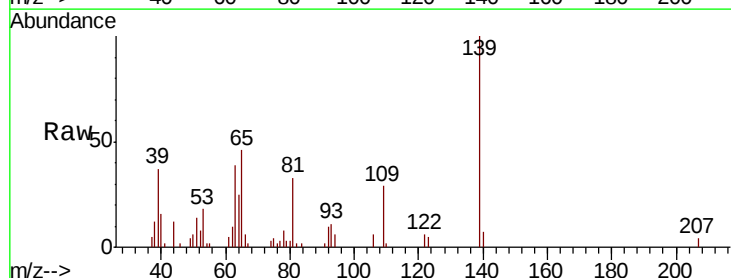


Abundance Ion 82.00 (81.70 to 82.70): BM022725.D (-1108) (-)
Ion 95.00 (94.70 to 95.70): BM022734.D (-1099) (-)
Ion 138.00 (137.70 to 138.70): BM022734.D (-1099) (-)

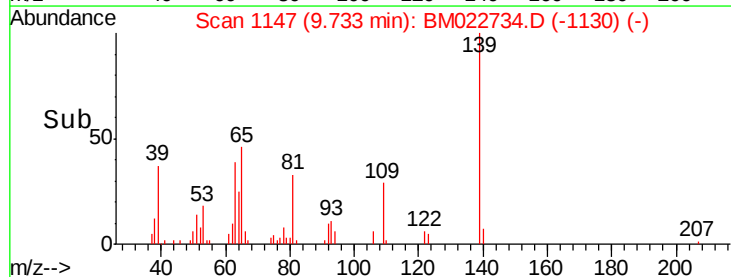
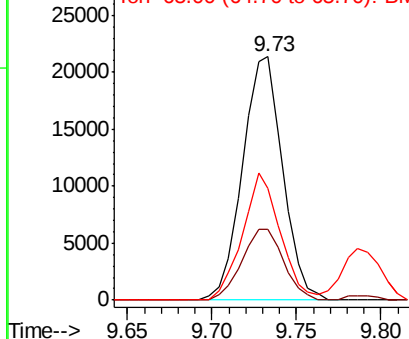


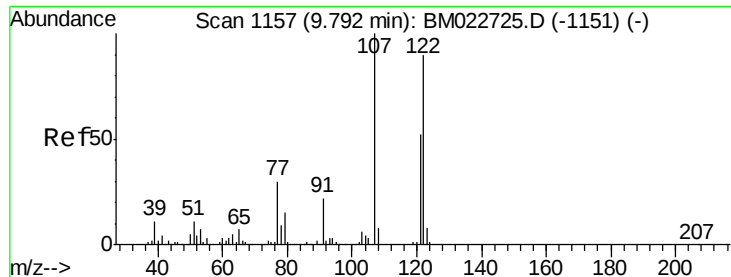
#26
2-Nitrophenol
Concen: 6.207 ng
RT: 9.73 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	35274		
109	28.9		22.6	33.8
65	46.1		37.0	55.4



Abundance Ion 139.00 (138.70 to 139.70): BM022725.D (-1139) (-)
Ion 109.00 (108.70 to 109.70): BM022734.D (-1130) (-)
Ion 65.00 (64.70 to 65.70): BM022734.D (-1130) (-)





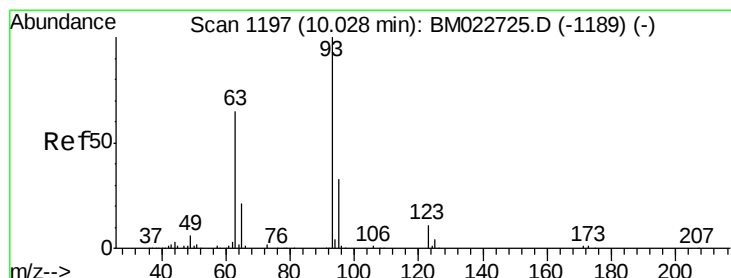
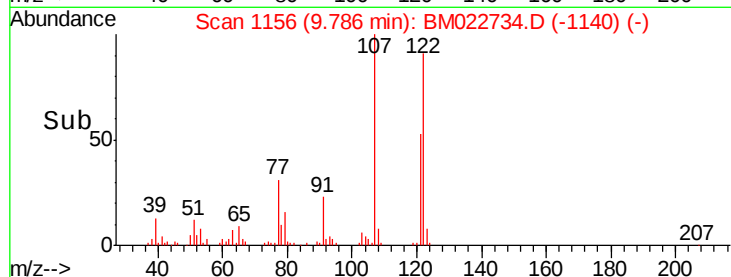
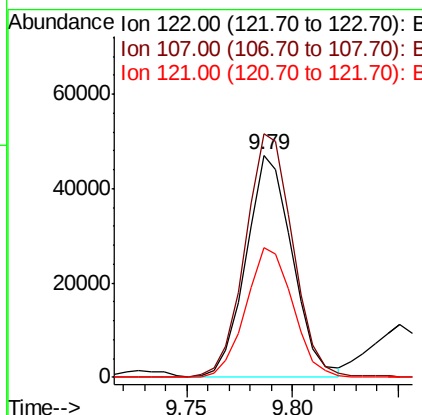
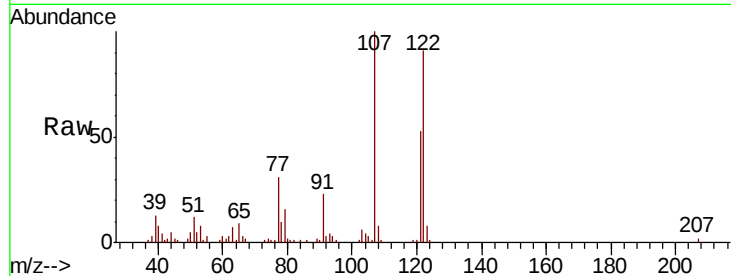
#27
 2,4-Dimethylphenol
 Concen: 7.562 ng
 RT: 9.79 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.7	88.9	133.3
121	58.5	46.5	69.7

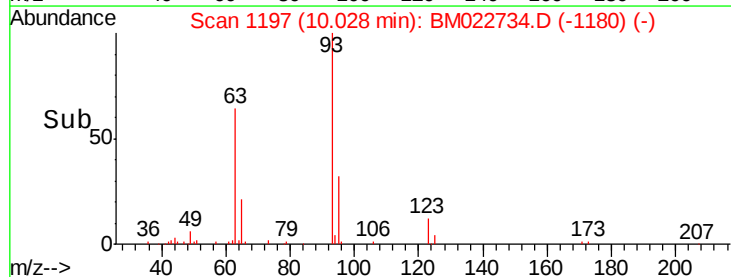
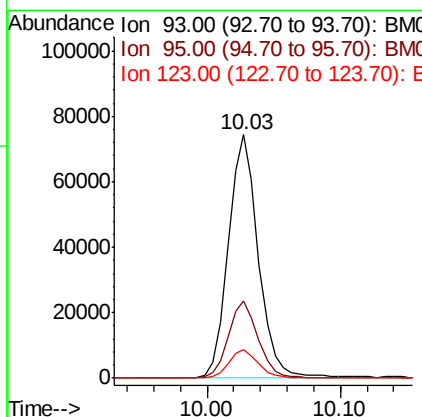
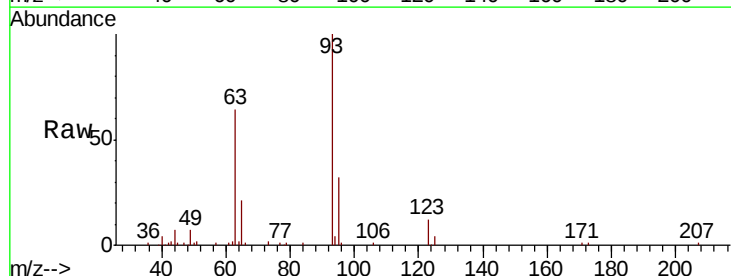
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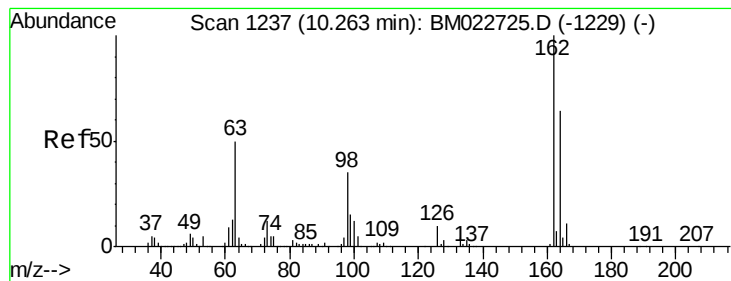
mohammad
 9/24/2019 8:34:52 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.444 ng
 RT: 10.03 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.5	26.0	39.0
123	11.7	9.0	13.6





#29

2,4-Dichlorophenol

Concen: 6.863 ng

RT: 10.26 min Scan# 1237

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

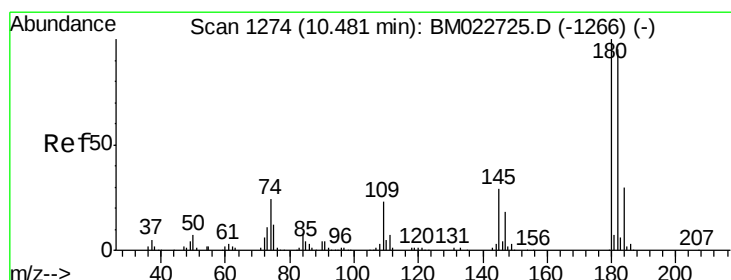
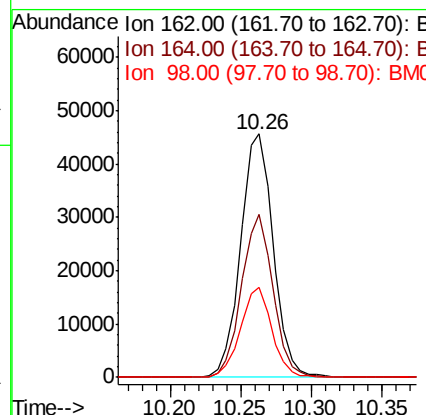
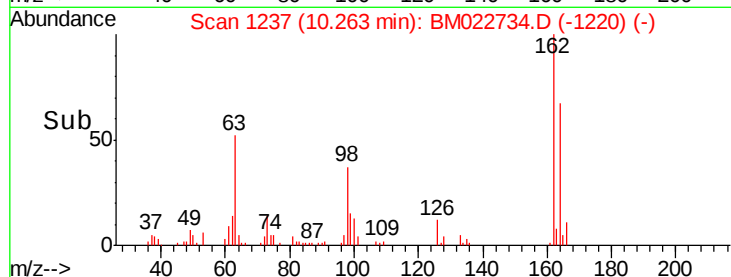
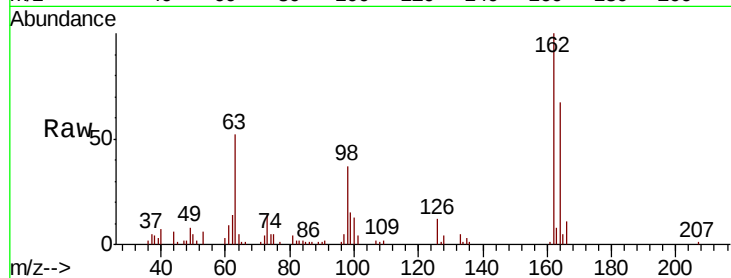
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	162	Resp:	73823
Ion Ratio	Lower	Upper	
162	100		
164	66.8	44.4	84.4
98	37.2	14.8	54.8

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#30

1,2,4-Trichlorobenzene

Concen: 7.395 ng

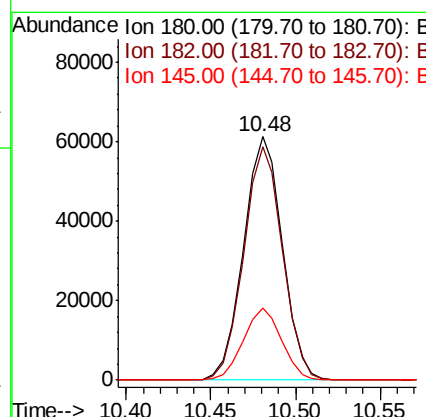
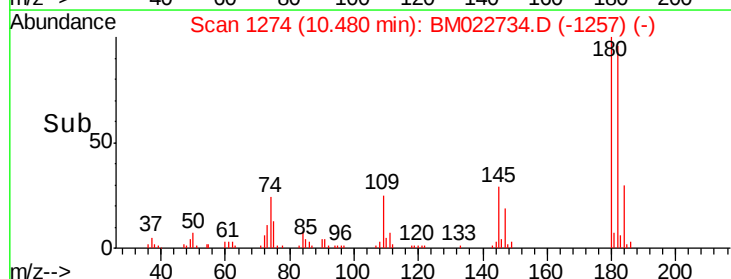
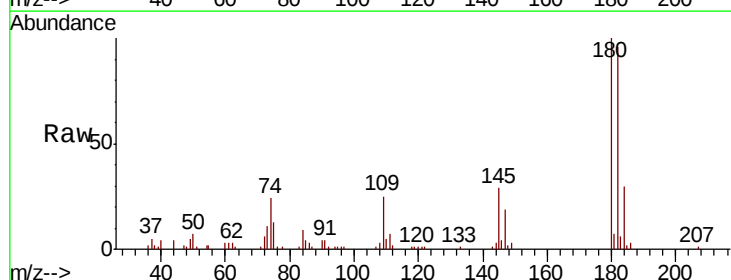
RT: 10.48 min Scan# 1274

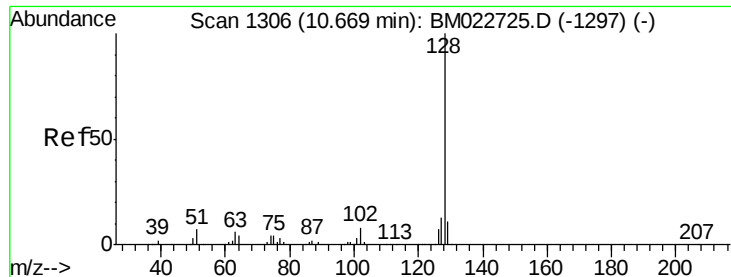
Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:	180	Resp:	97867
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.2	114.2
145	29.4	23.0	34.4





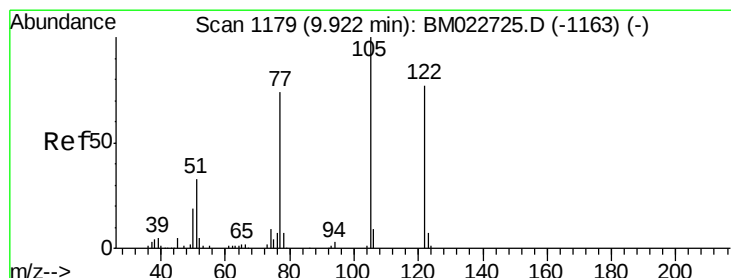
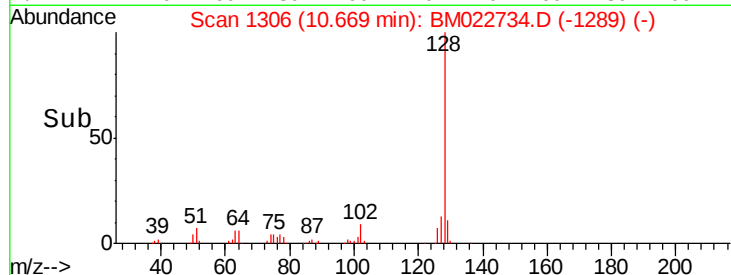
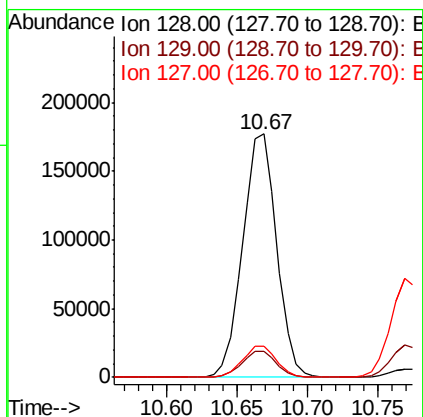
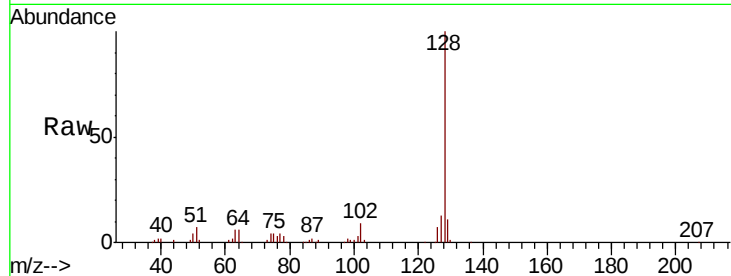
#31
Naphthalene
Concen: 7.912 ng
RT: 10.67 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	298593		
129	10.7		8.8	13.2
127	13.0		10.2	15.4

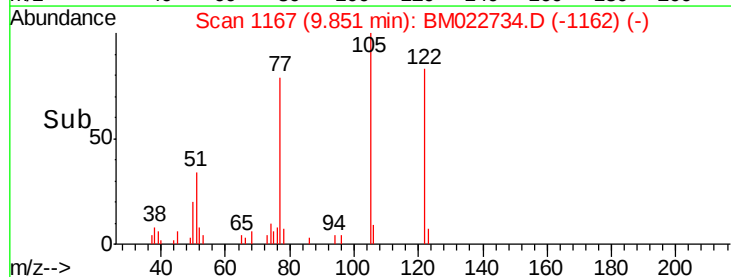
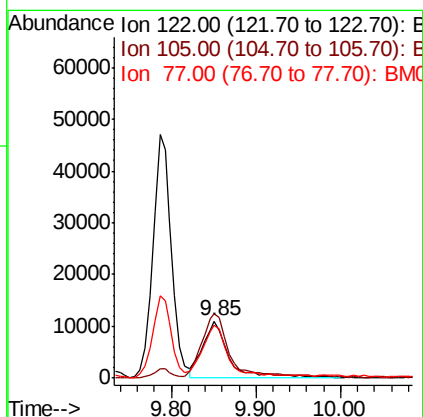
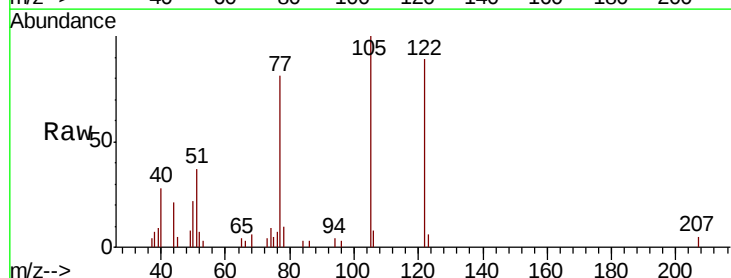
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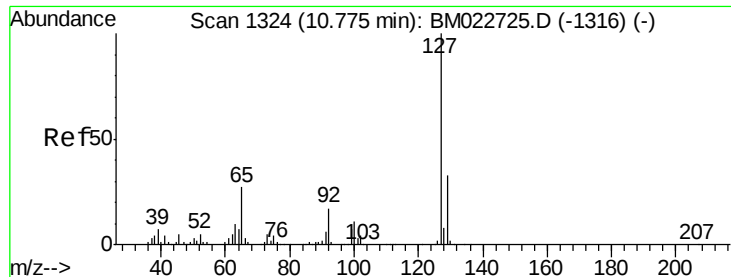
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#32
Benzoic acid
Concen: 4.021 ng m
RT: 9.85 min Scan# 1167
Delta R.T. -0.07 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	24625		
105	112.8		105.3	145.3
77	91.6		74.7	114.7





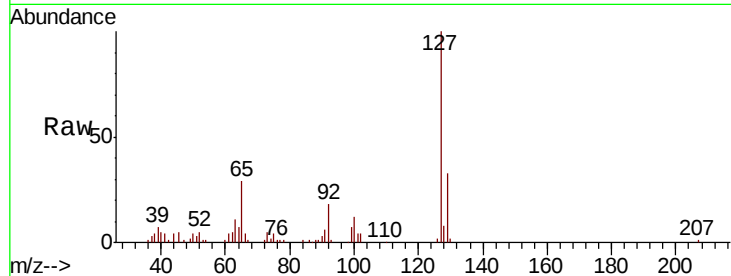
#33
4-Chloroaniline
Concen: 7.250 ng
RT: 10.77 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.8	26.1	39.1	
65	29.1	22.0	33.0	
92	17.6	13.8	20.8	

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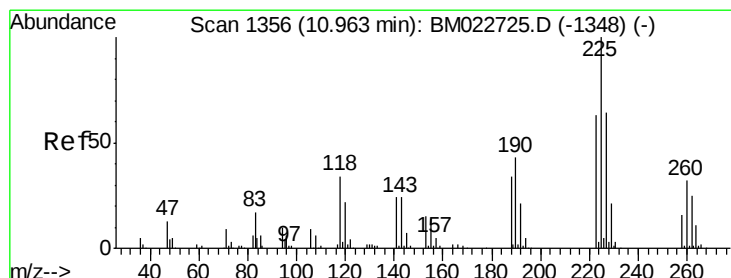
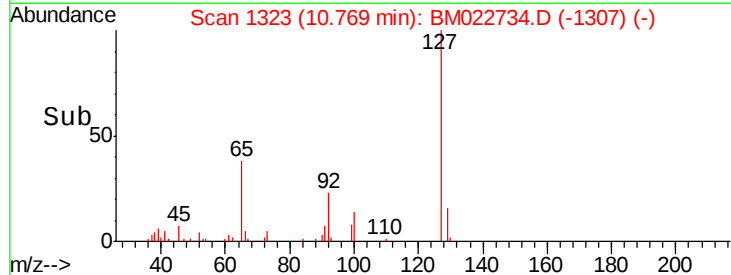
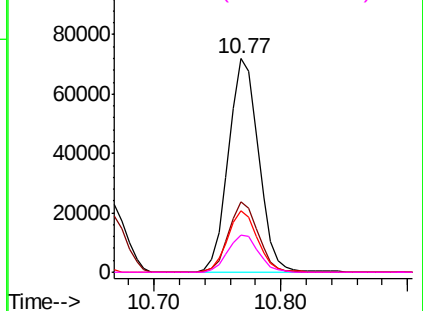
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

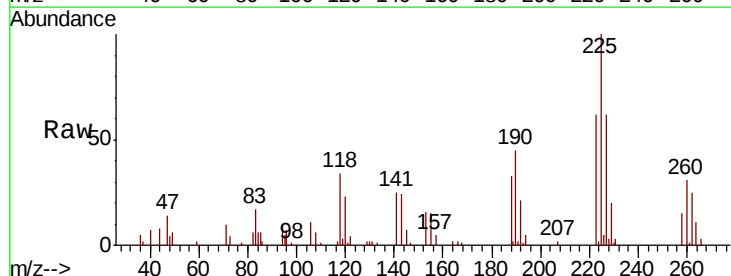
Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34
Hexachlorobutadiene
Concen: 7.174 ng
RT: 10.96 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	50.2	75.4	
227	61.8	51.0	76.4	

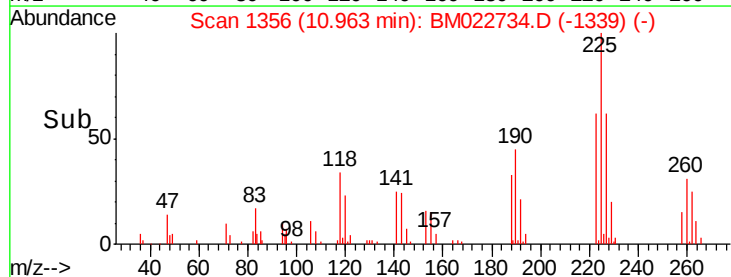
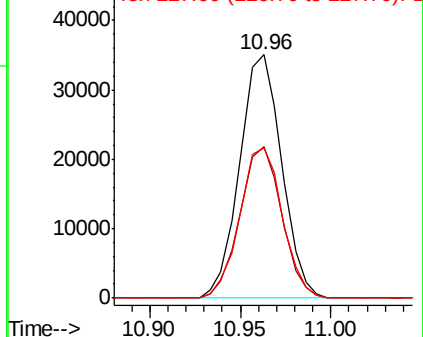


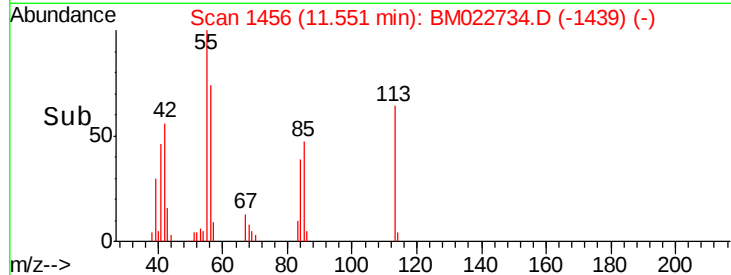
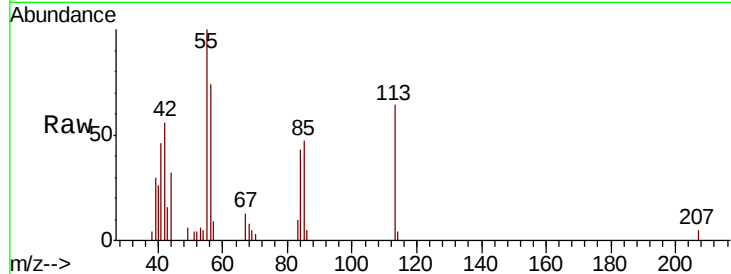
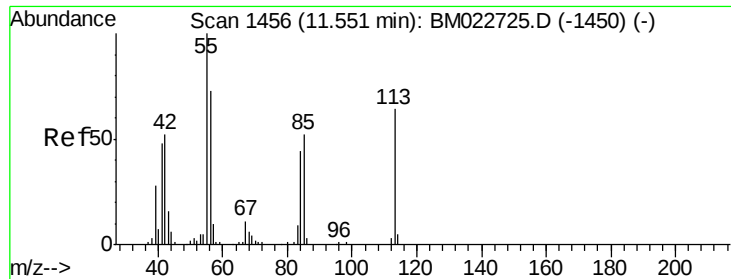
Abundance

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: 5.751 ng

RT: 11.55 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:113 Resp: 18340

Ion Ratio Lower Upper

113 100

55 157.0 136.8 176.8

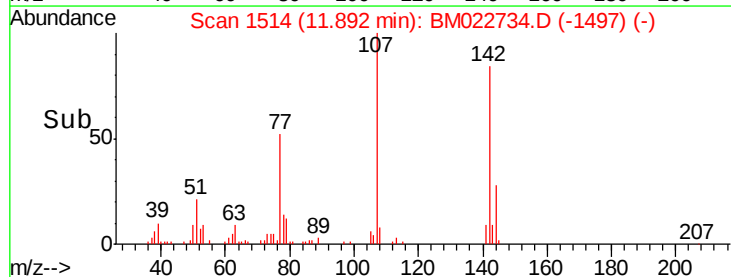
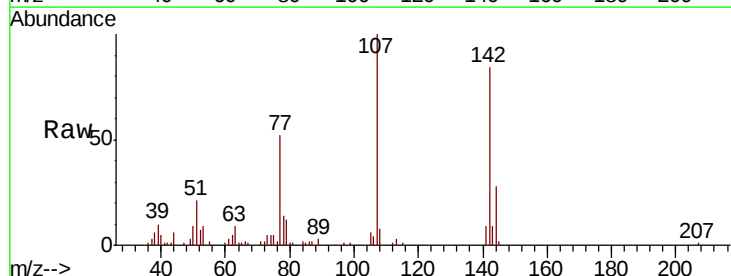
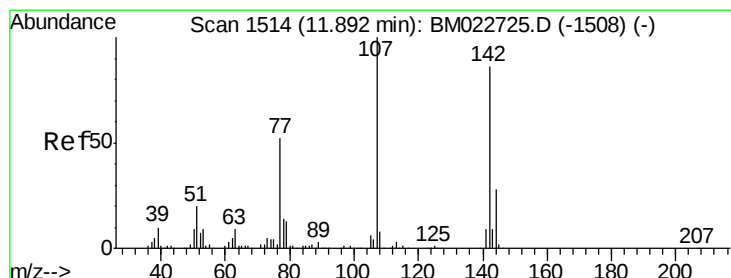
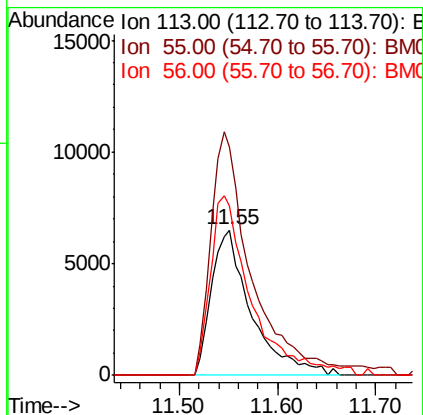
56 116.9 95.2 135.2

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#36

4-Chloro-3-methylphenol

Concen: 6.843 ng

RT: 11.89 min Scan# 1514

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

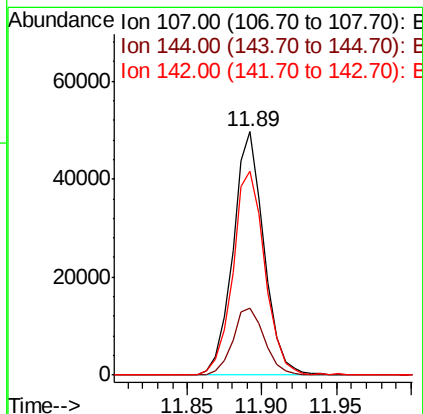
Tgt Ion:107 Resp: 71821

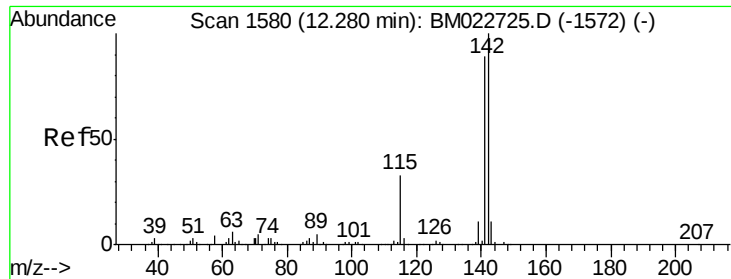
Ion Ratio Lower Upper

107 100

144 27.8 22.4 33.6

142 83.6 68.2 102.4





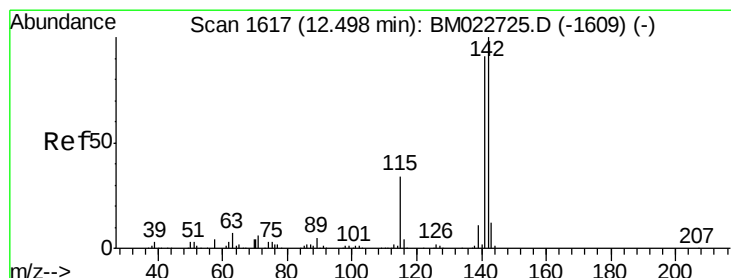
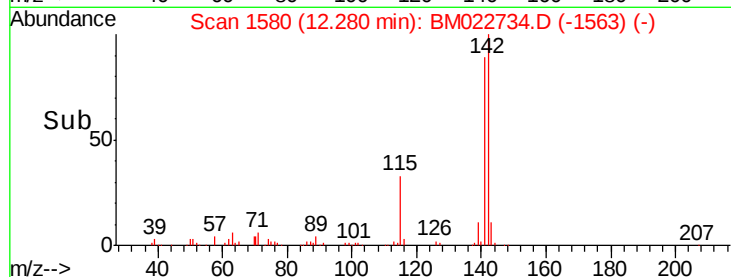
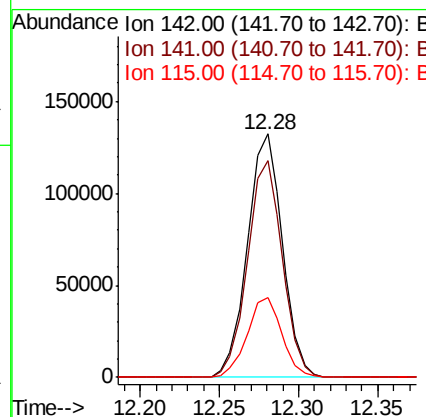
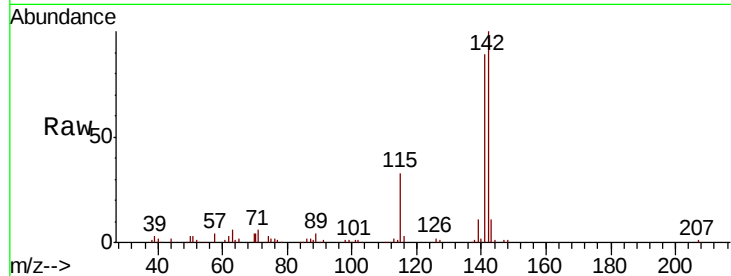
#37
2-Methylnaphthalene
Concen: 7.720 ng
RT: 12.28 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Resp	Lower	Upper
142	100	202787		
141	89.0	71.5	107.3	
115	32.5	26.1	39.1	

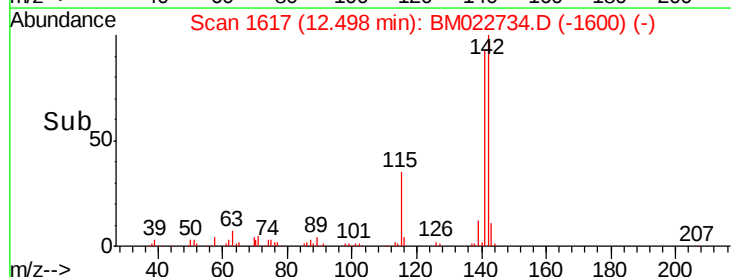
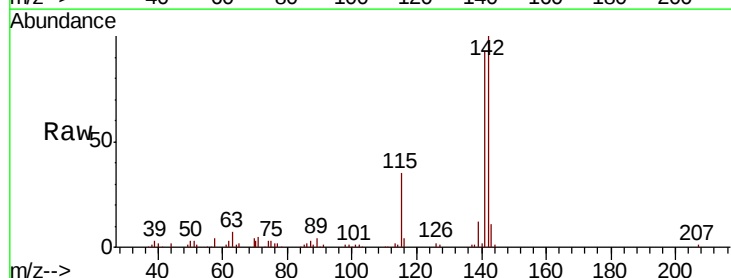
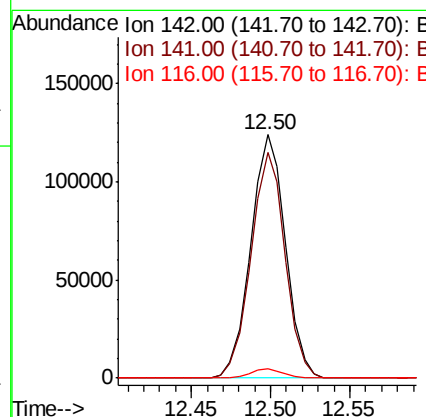
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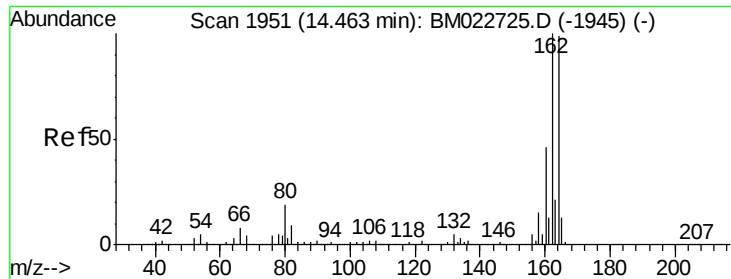
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#38
1-Methylnaphthalene
Concen: 7.561 ng
RT: 12.50 min Scan# 1617
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	188525		
141	92.8	73.0	109.4	
116	3.6	2.9	4.3	





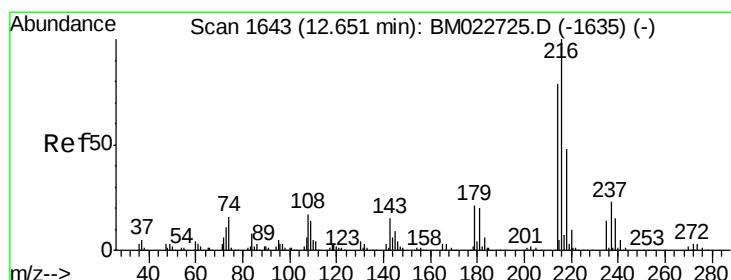
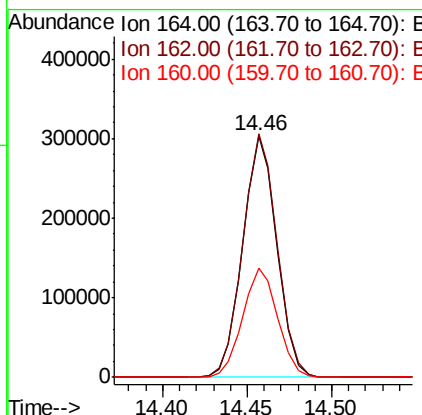
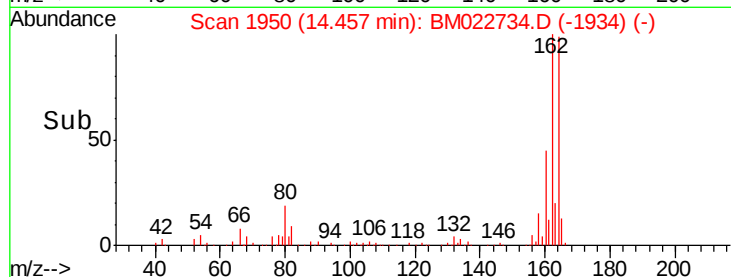
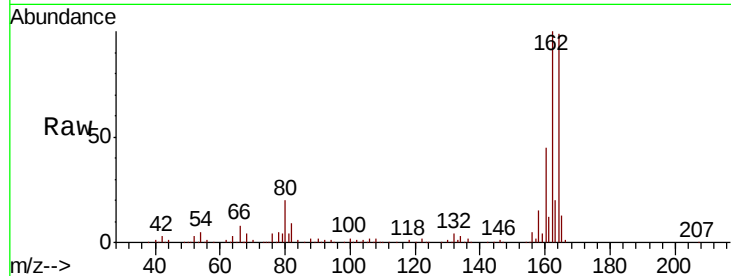
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.1	121.7
160	45.2	36.9	55.3

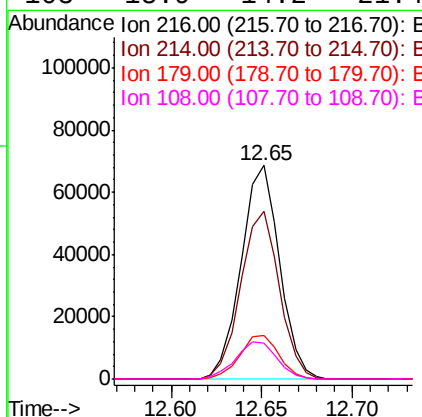
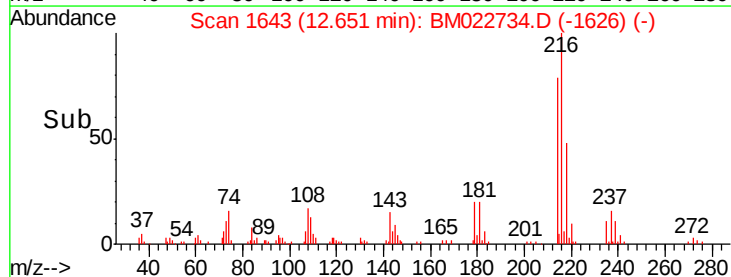
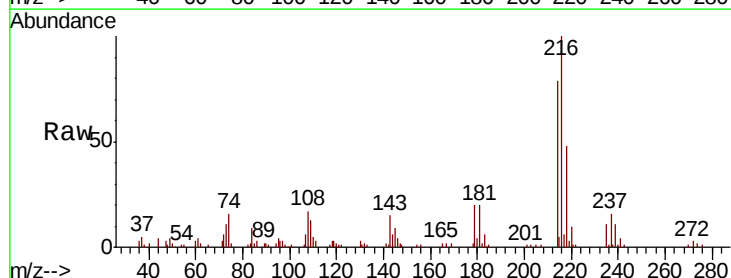
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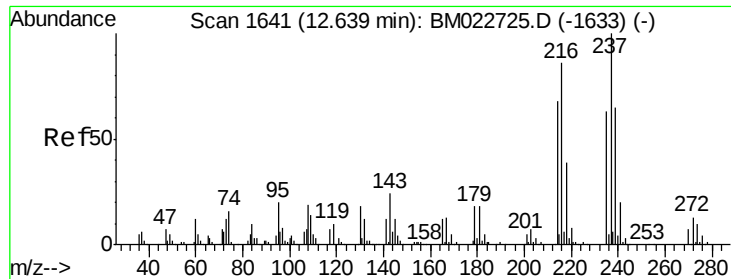
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.011 ng
RT: 12.65 min Scan# 1643
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.9	94.3
179	20.7	16.6	24.8
108	18.9	14.2	21.4





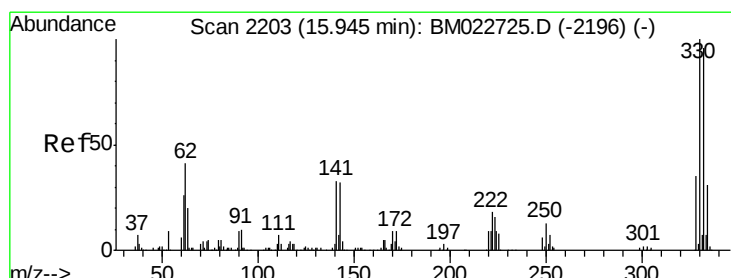
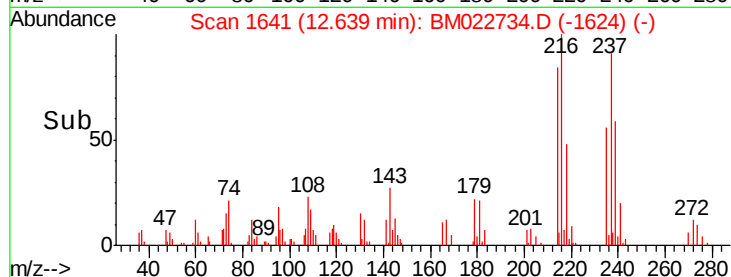
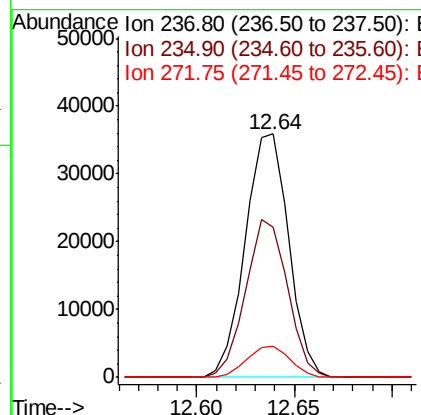
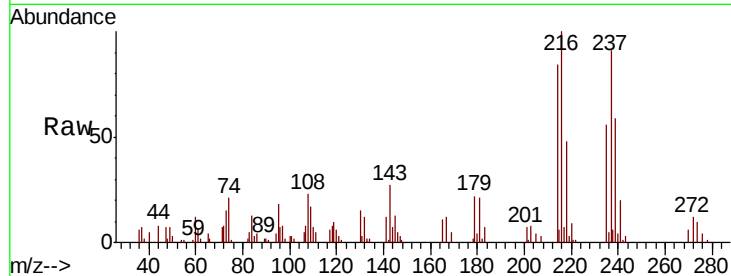
#41
 Hexachlorocyclopentadiene
 Concen: 7.044 ng
 RT: 12.64 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion:	237	Resp:	55405
Ion Ratio	Lower	Upper	
237	100		
235	61.8	43.3	83.3
272	13.0	0.0	32.6

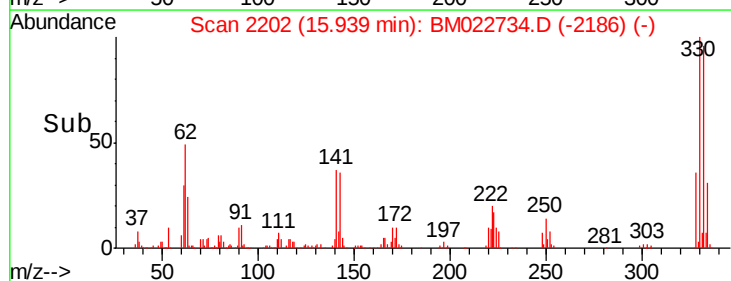
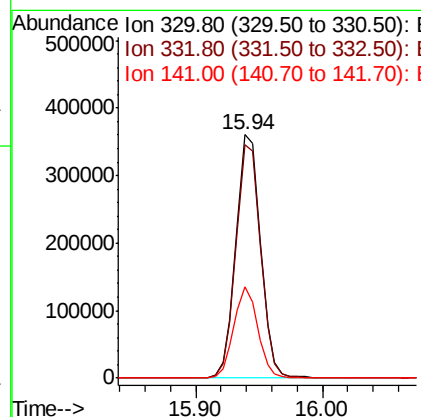
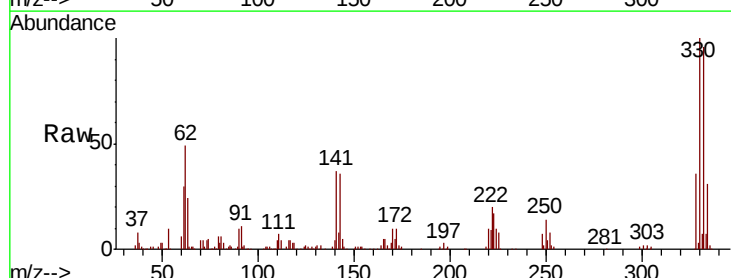
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#42
 2,4,6-Tribromophenol
 Concen: 91.123 ng
 RT: 15.94 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:	330	Resp:	483997
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.9	115.3
141	36.4	28.6	42.8





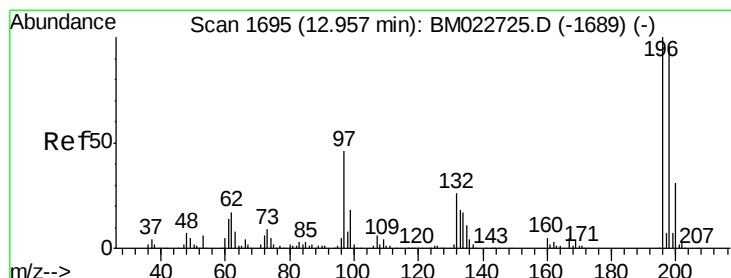
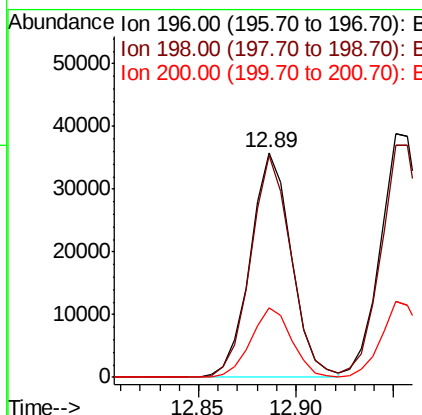
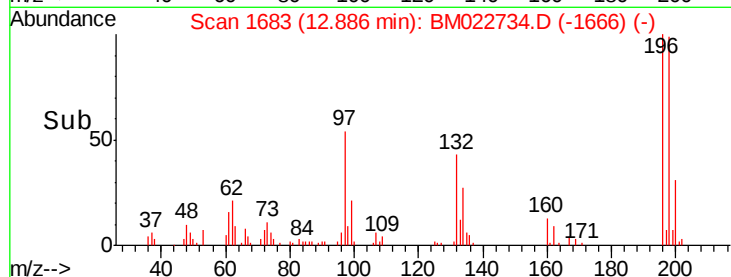
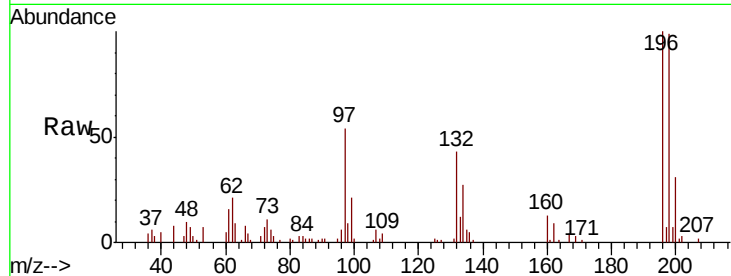
#43
 2,4,6-Trichlorophenol
 Concen: 6.272 ng
 RT: 12.89 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
196	100		
198	98.9	76.3	114.5
200	31.0	24.4	36.6

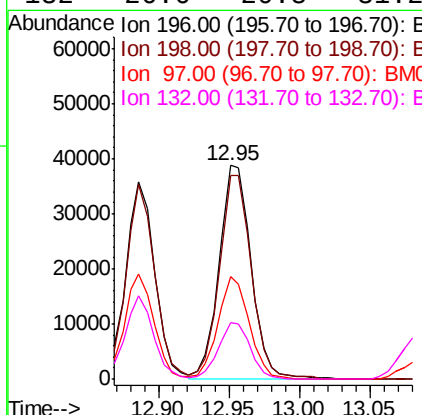
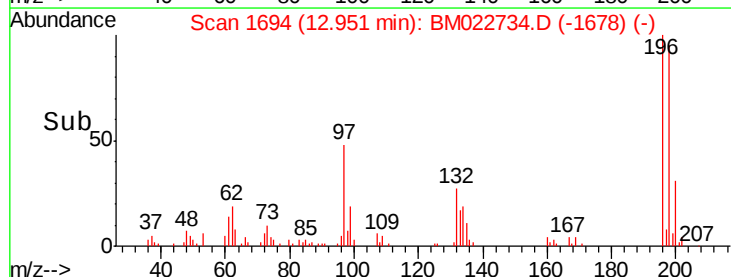
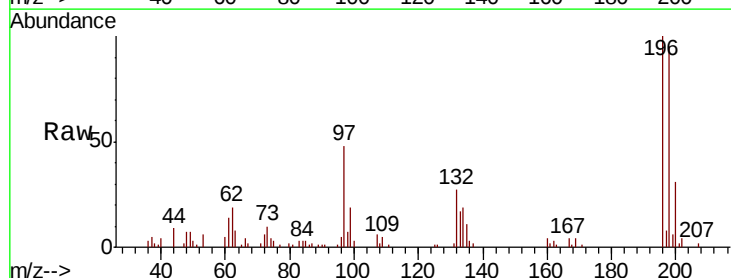
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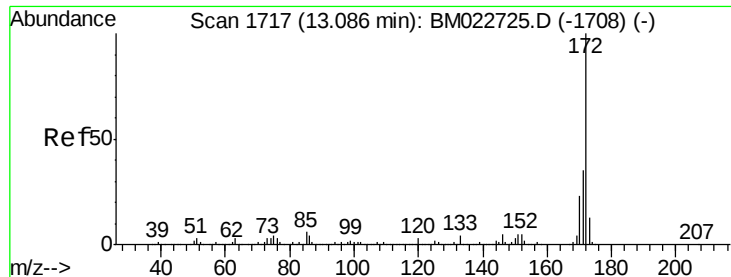
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#44
 2,4,5-Trichlorophenol
 Concen: 7.078 ng
 RT: 12.95 min Scan# 1694
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.0	115.4
97	48.2	37.2	55.8
132	26.6	20.8	31.2





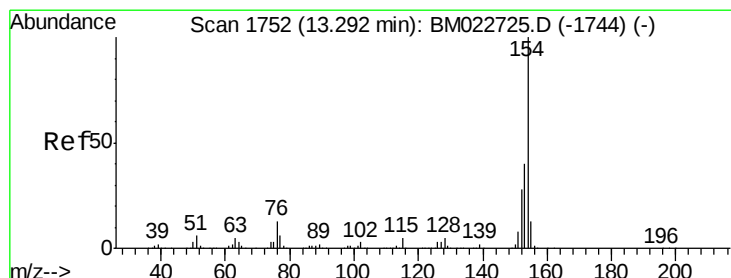
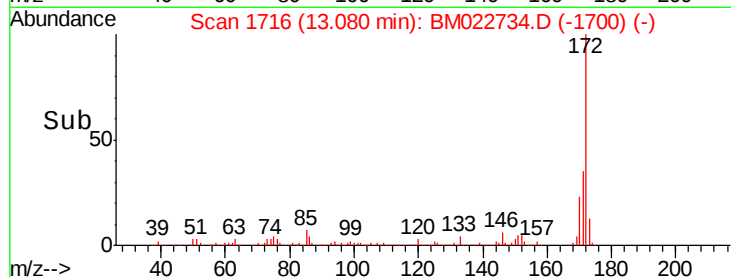
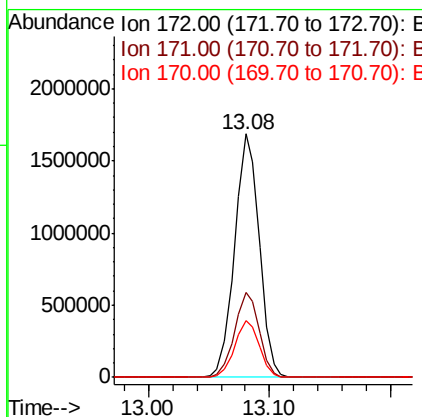
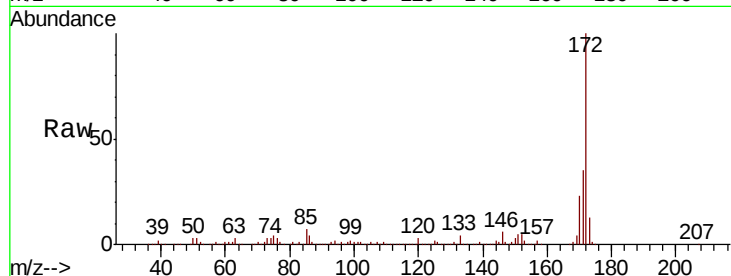
#45
2-Fluorobiphenyl
Concen: 77.445 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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	23.4	18.7	28.1

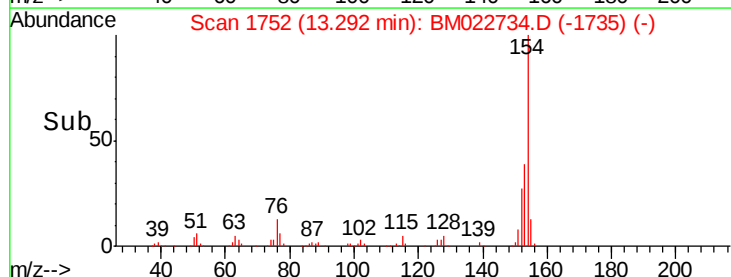
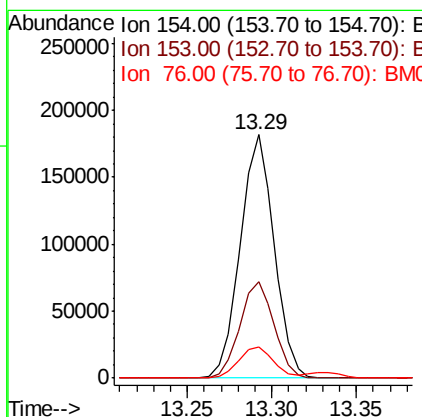
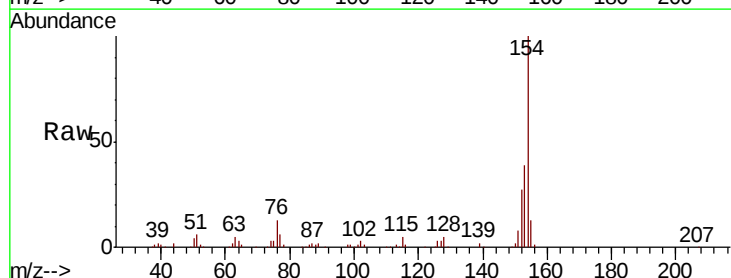
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#46
1,1'-Biphenyl
Concen: 7.198 ng
RT: 13.29 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.1	60.1
76	12.8	0.0	32.6





#47

2-Chloronaphthalene

Concen: 7.574 ng

RT: 13.33 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

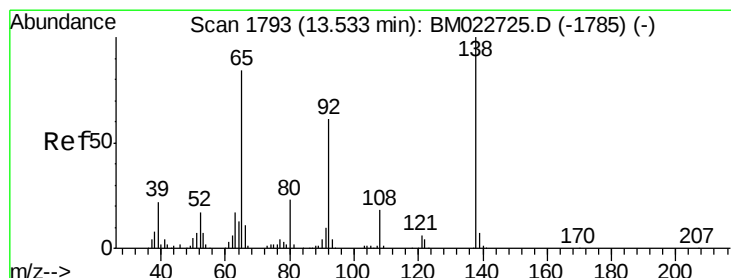
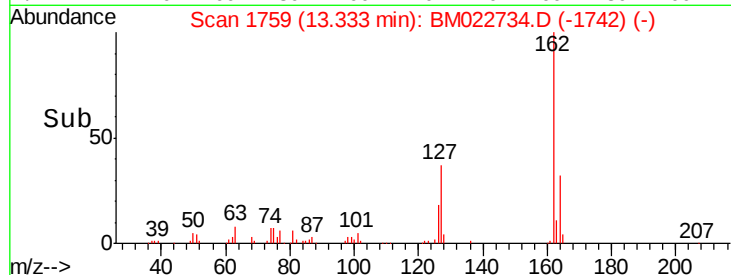
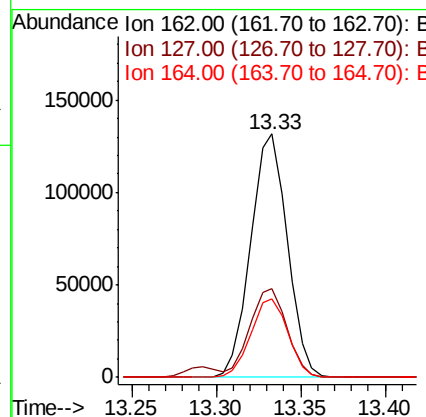
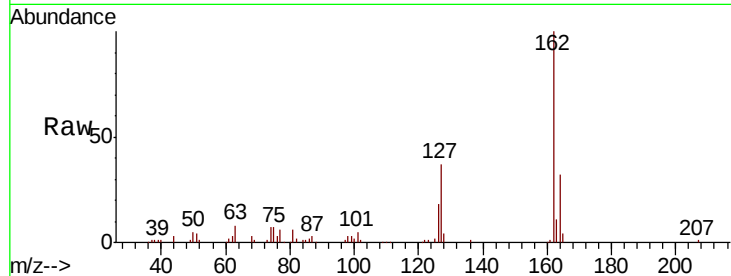
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	162	Resp:	198787
Ion Ratio	Lower	Upper	
162	100		
127	36.5	29.0	43.6
164	32.1	26.0	39.0

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#48

2-Nitroaniline

Concen: 5.846 ng

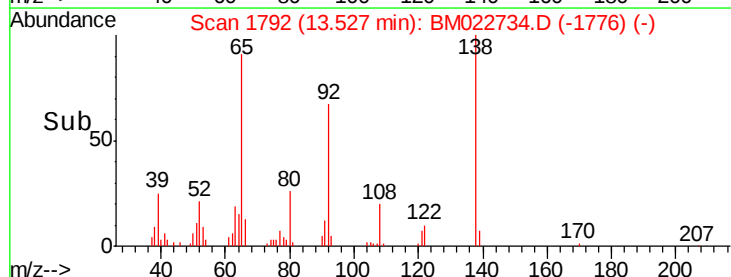
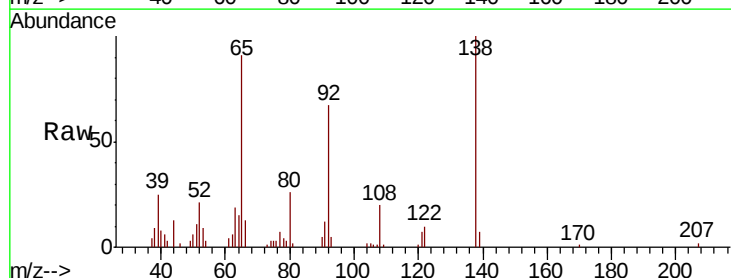
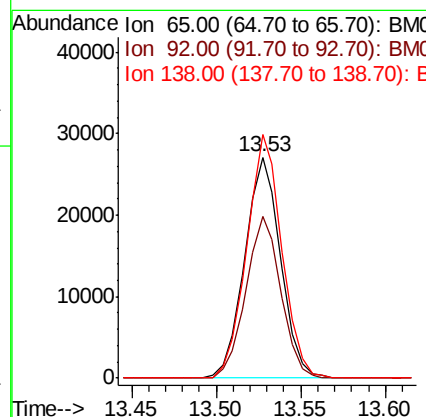
RT: 13.53 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:	65	Resp:	39957
Ion Ratio	Lower	Upper	
65	100		
92	73.4	58.6	87.8
138	110.2	95.4	143.0





#49

Acenaphthylene

Concen: 7.496 ng

RT: 14.18 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

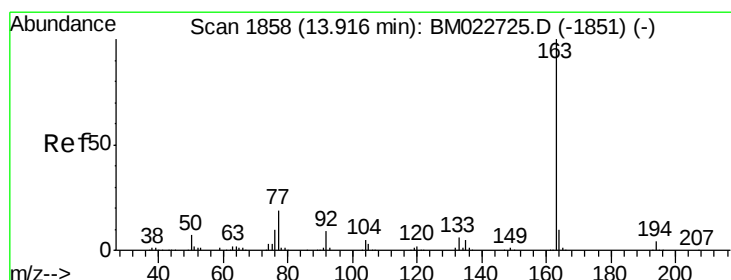
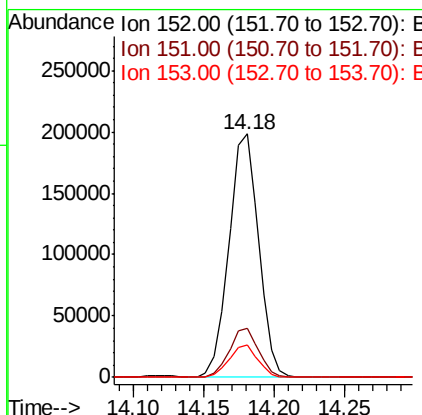
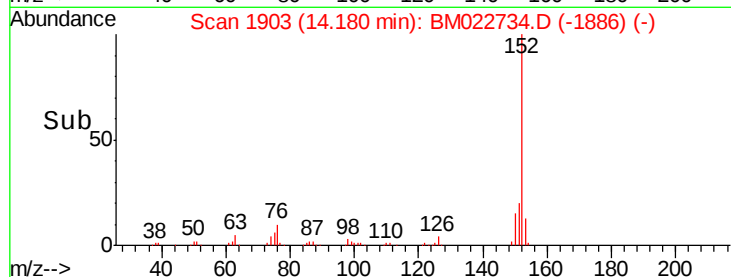
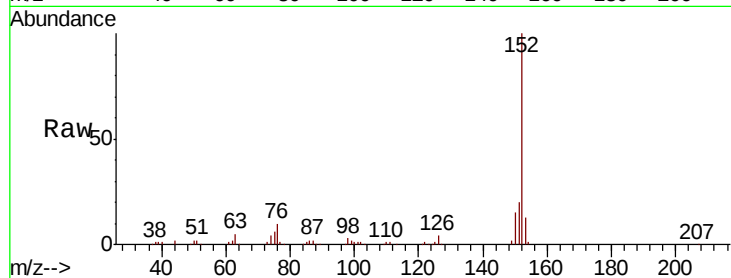
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	152	Resp:	291330
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.9	23.9
153	13.1	10.5	15.7

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#50

Dimethylphthalate

Concen: 7.131 ng

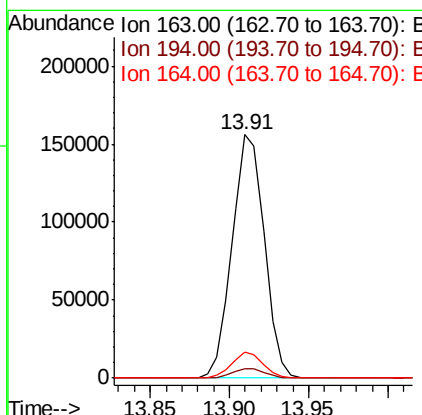
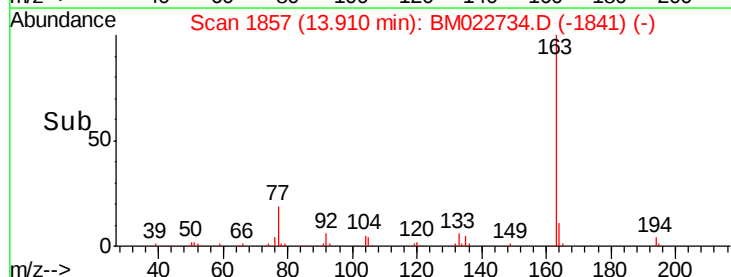
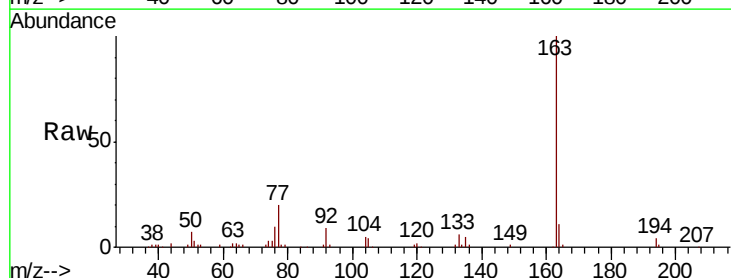
RT: 13.91 min Scan# 1857

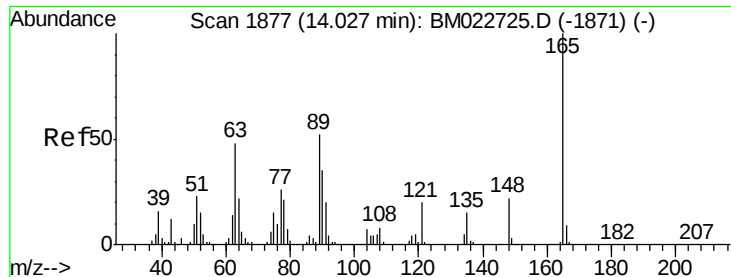
Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:	163	Resp:	219261
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.3	4.9
164	10.5	8.2	12.2





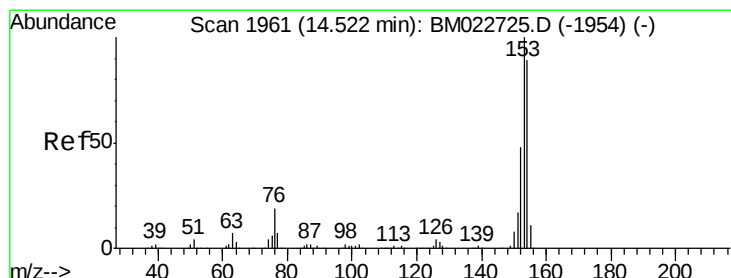
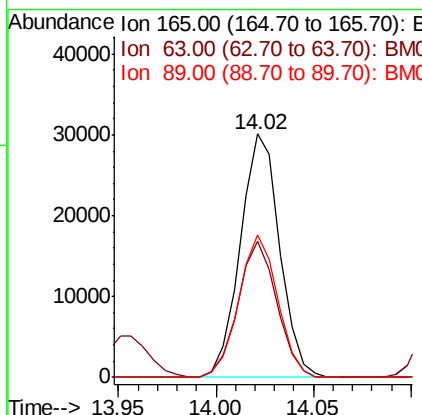
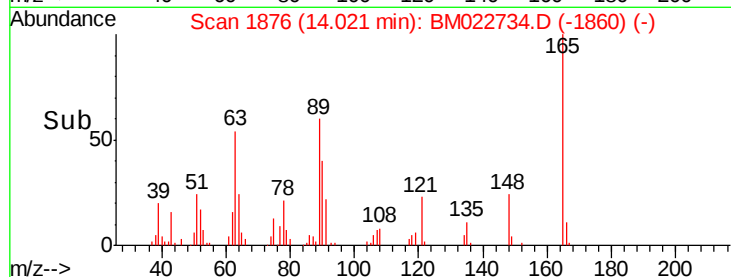
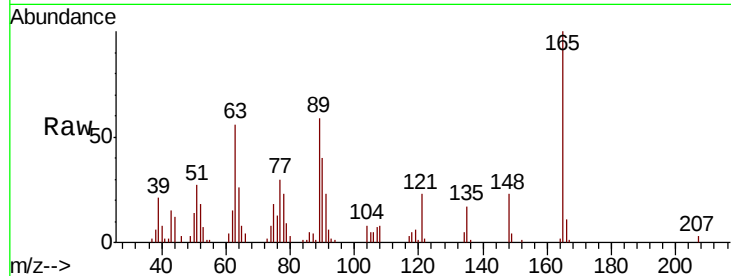
#51
 2,6-Dinitrotoluene
 Concen: 6.536 ng
 RT: 14.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	56.0	38.6	58.0
89	58.8	41.6	62.4

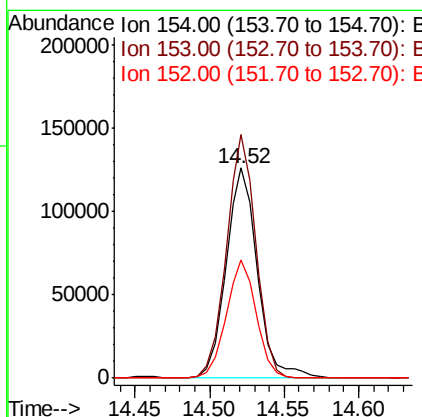
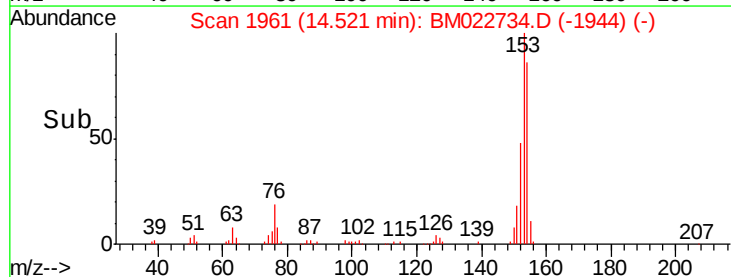
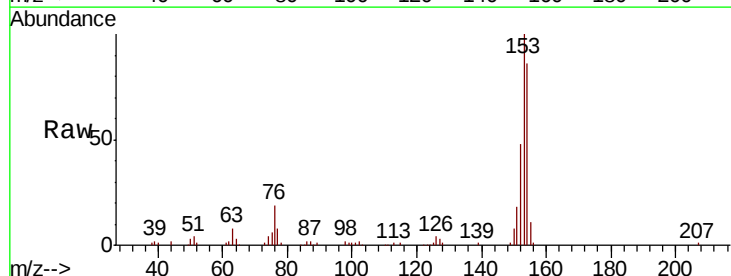
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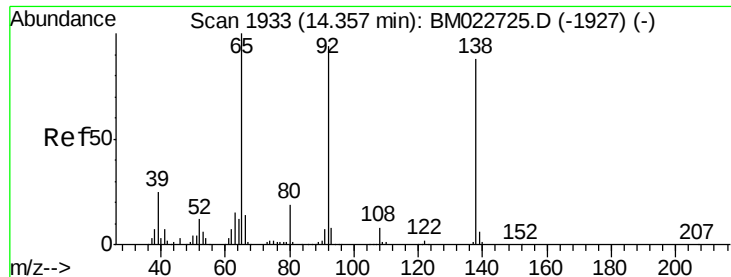
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#52
 Acenaphthene
 Concen: 7.296 ng
 RT: 14.52 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.9	90.0	135.0
152	56.2	42.9	64.3





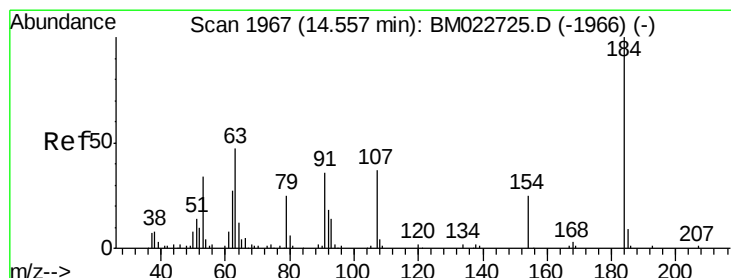
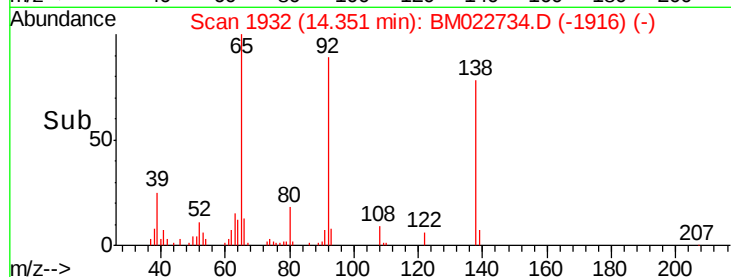
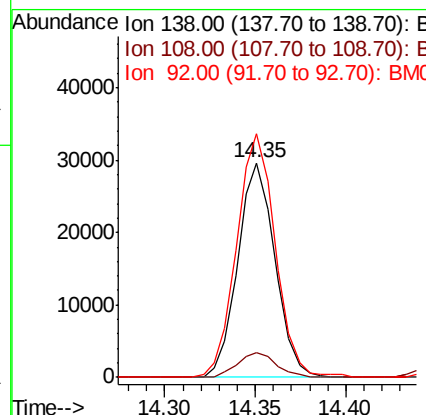
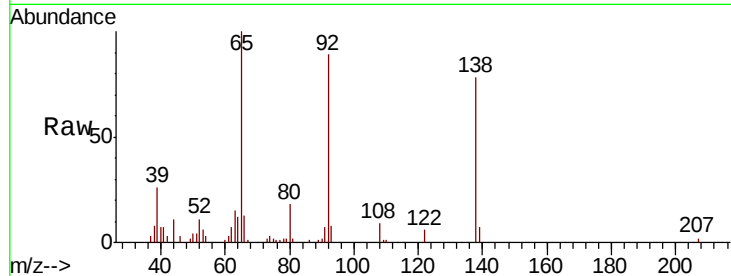
#53
 3-Nitroaniline
 Concen: 5.708 ng
 RT: 14.35 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.4	7.3	10.9#
92	113.5	86.3	129.5

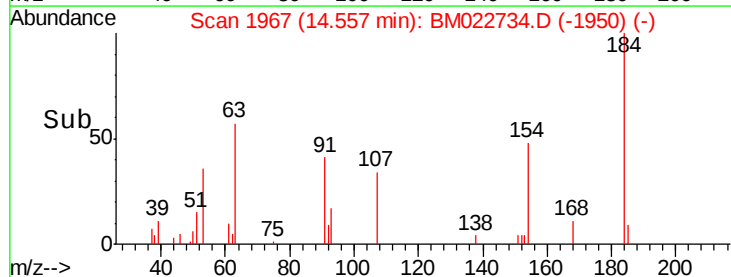
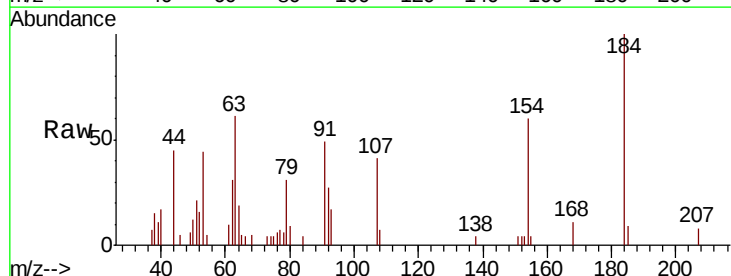
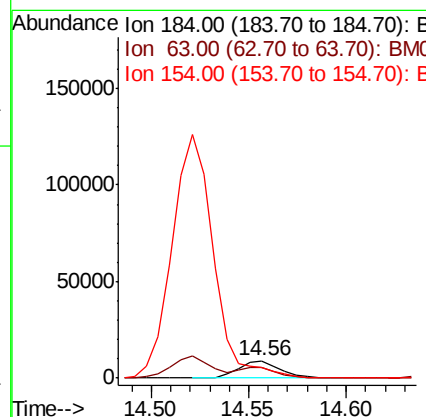
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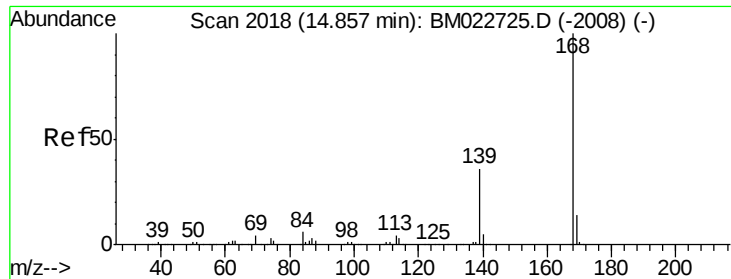
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#54
 2,4-Dinitrophenol
 Concen: 4.331 ng
 RT: 14.56 min Scan# 1967
 Delta R.T. 0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.1	48.5	72.7
154	59.5	48.1	72.1





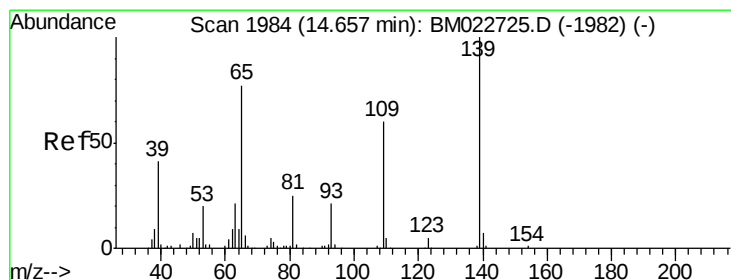
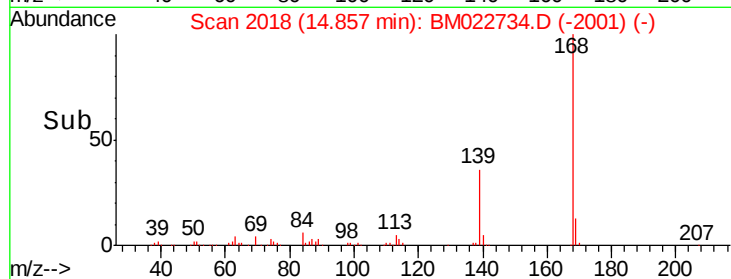
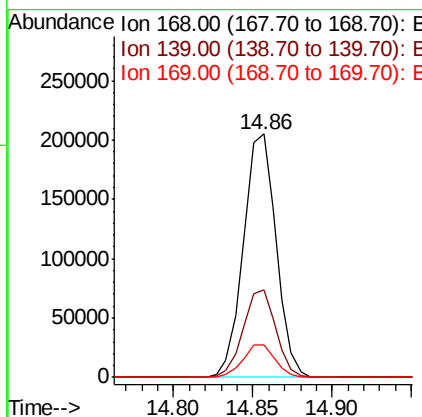
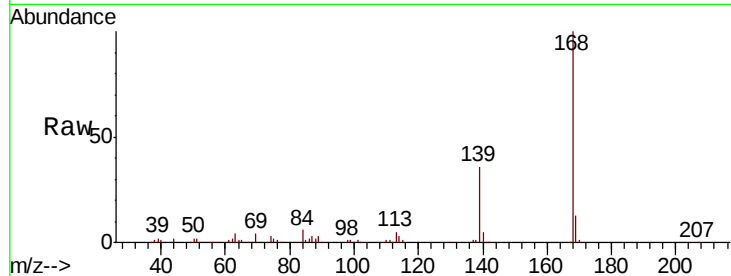
#55
Dibenzenofuran
Concen: 7.911 ng
RT: 14.86 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Resp	Lower	Upper
168	100	293658		
139	36.0		28.8	43.2
169	13.2		10.9	16.3

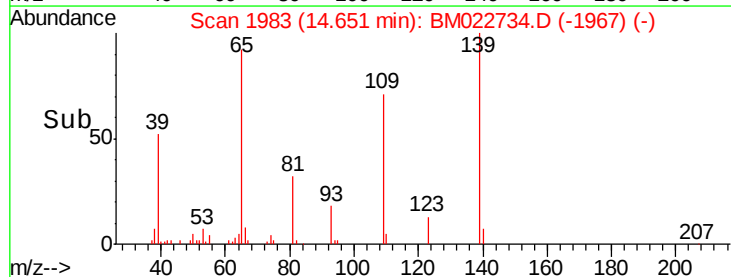
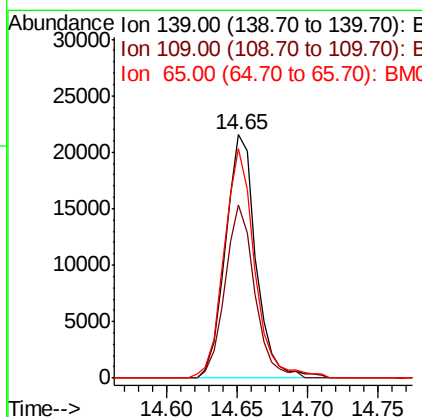
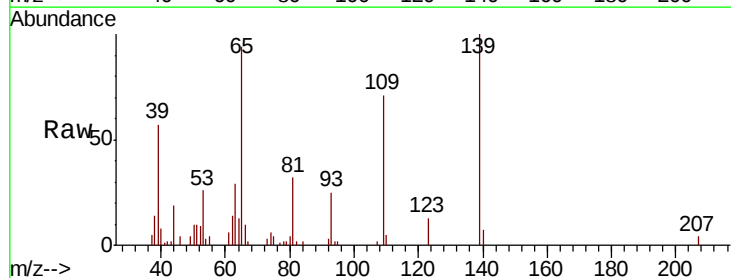
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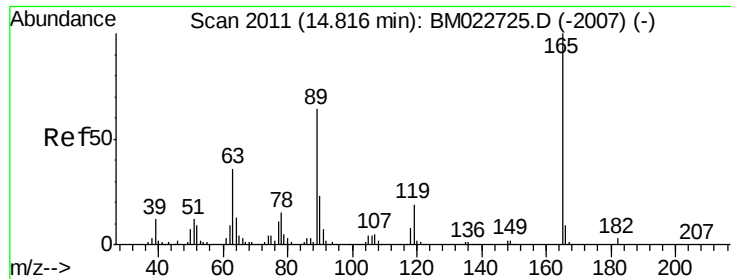
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#56
4-Nitrophenol
Concen: 5.705 ng
RT: 14.65 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	32466		
109	71.0		44.8	84.8
65	94.1		66.6	106.6





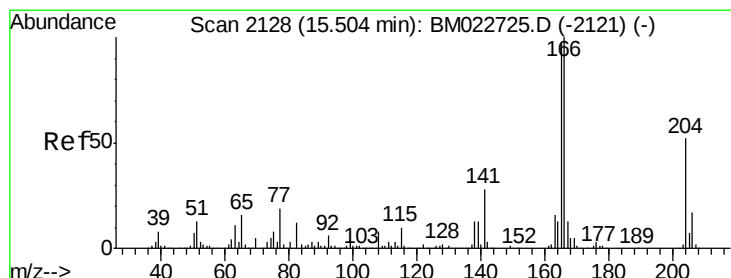
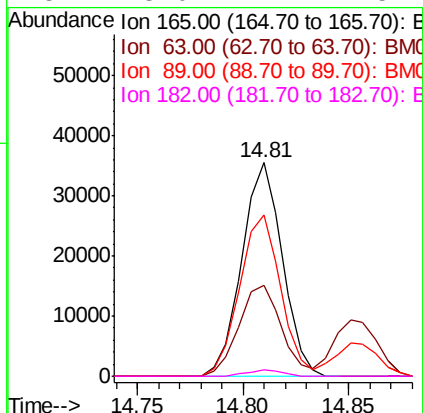
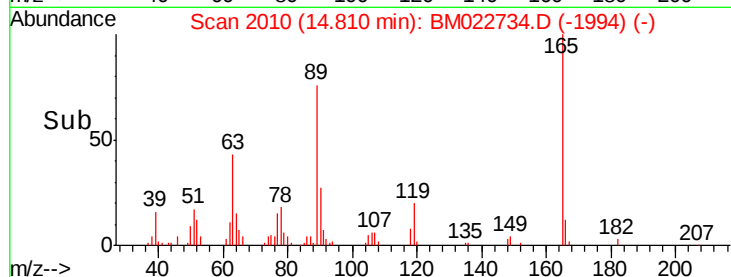
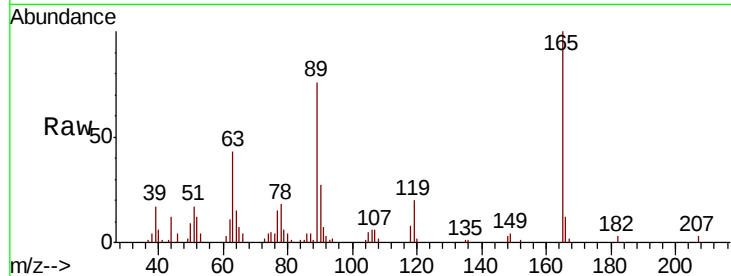
#57
 2,4-Dinitrotoluene
 Concen: 5.609 ng
 RT: 14.81 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion:	165	Resp:	47265
Ion Ratio	Lower	Upper	
165	100		
63	42.8	30.1	45.1
89	75.7	52.5	78.7
182	3.0	2.2	3.4

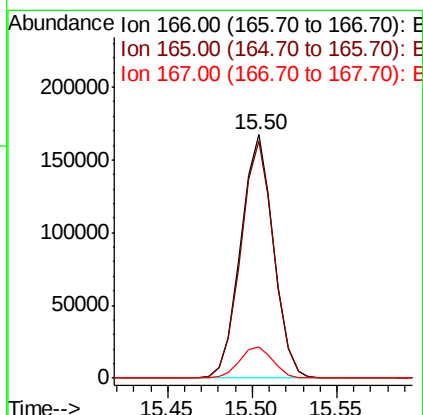
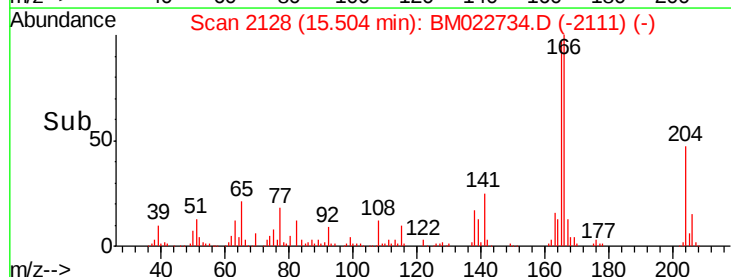
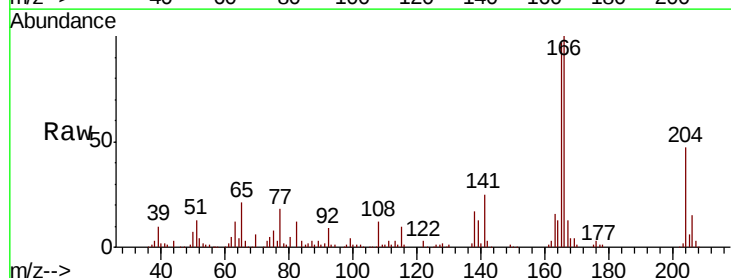
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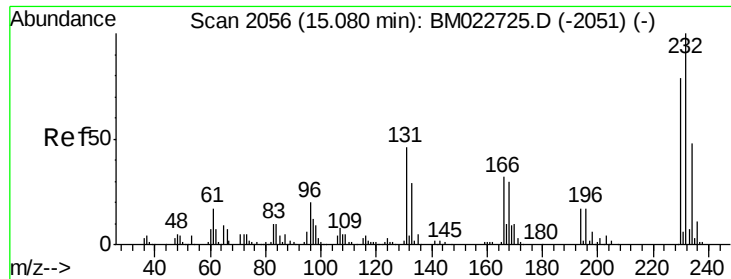
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#58
 Fluorene
 Concen: 7.483 ng
 RT: 15.50 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion:	166	Resp:	225737
Ion Ratio	Lower	Upper	
166	100		
165	97.4	77.6	116.4
167	13.0	10.8	16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 6.130 ng

RT: 15.08 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

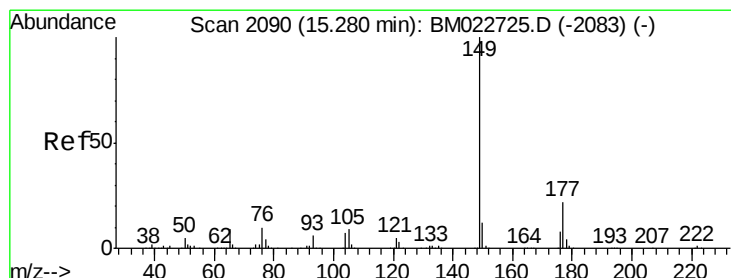
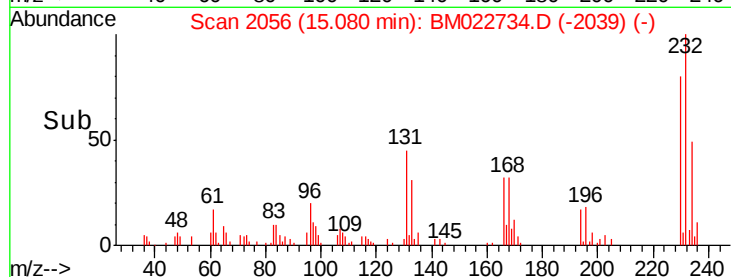
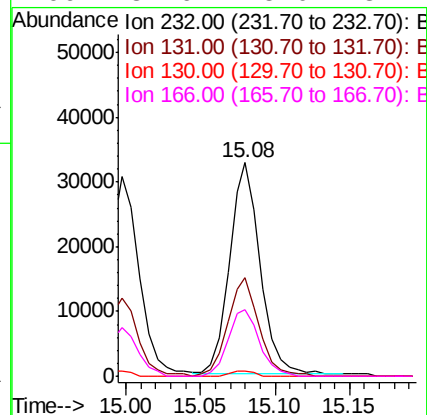
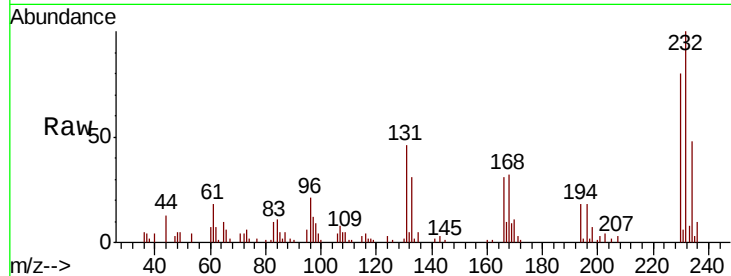
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	232	Resp:	46354
Ion Ratio	Lower	Upper	
232	100		
131	48.2	36.3	54.5
130	1.9	1.8	2.8
166	32.6	25.0	37.4

Manual Integrations
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#60

Diethylphthalate

Concen: 6.839 ng

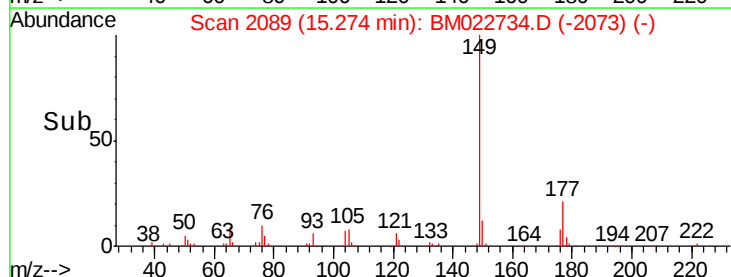
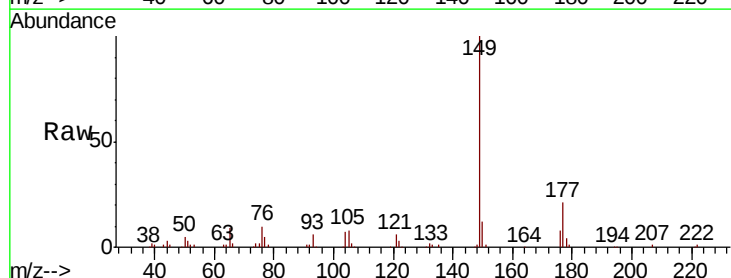
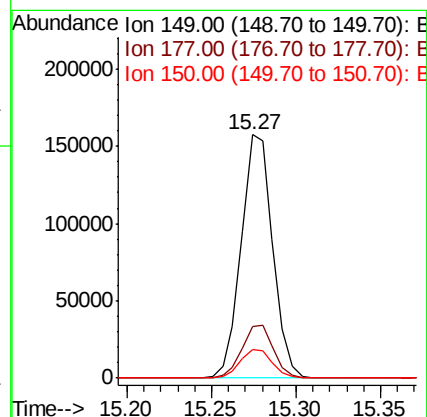
RT: 15.27 min Scan# 2089

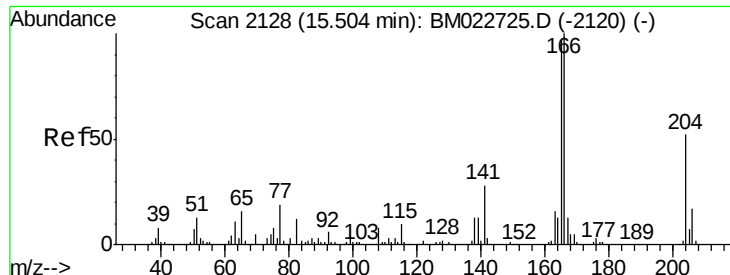
Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:	149	Resp:	204471
Ion Ratio	Lower	Upper	
149	100		
177	21.4	17.6	26.4
150	11.8	9.9	14.9





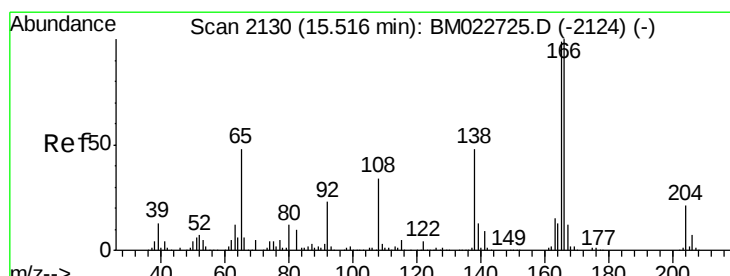
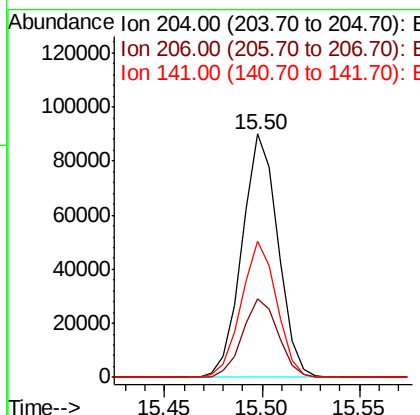
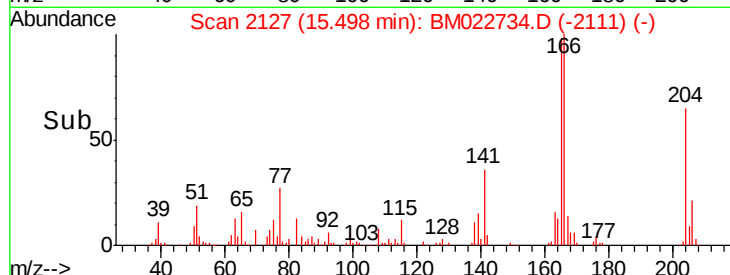
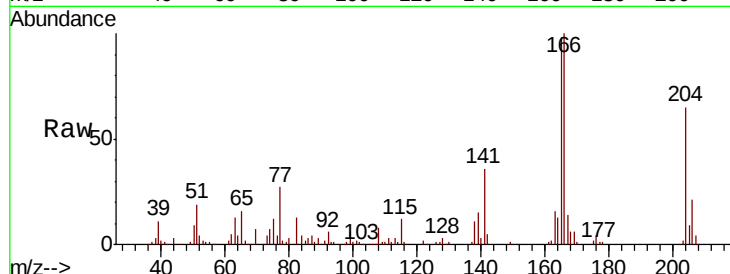
#61
4-Chlorophenyl-phenylether
Concen: 7.417 ng
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Resp	Lower	Upper
204	100	114958		
206	32.3	26.2	39.4	
141	56.2	42.6	64.0	

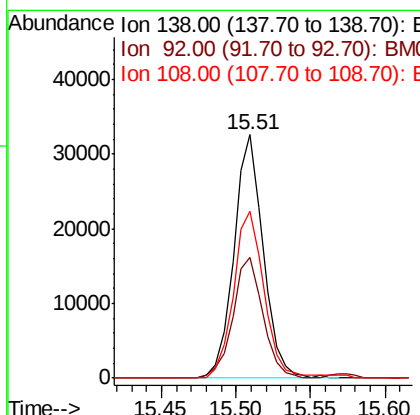
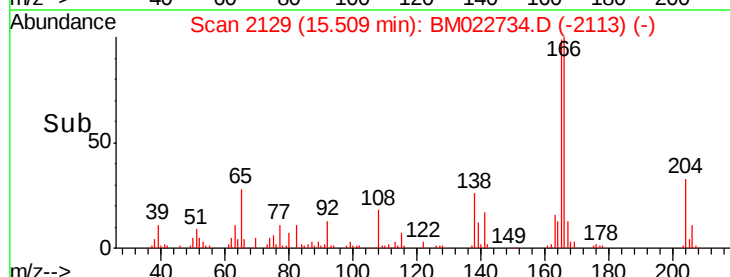
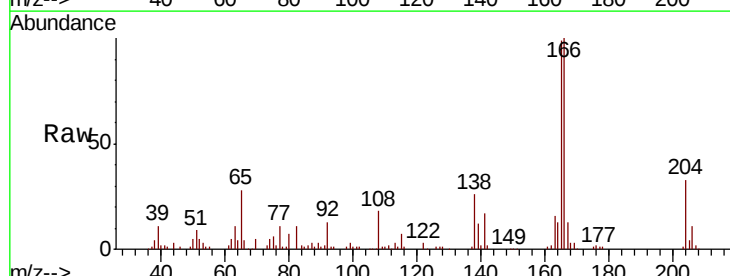
Manual Integrations
APPROVED

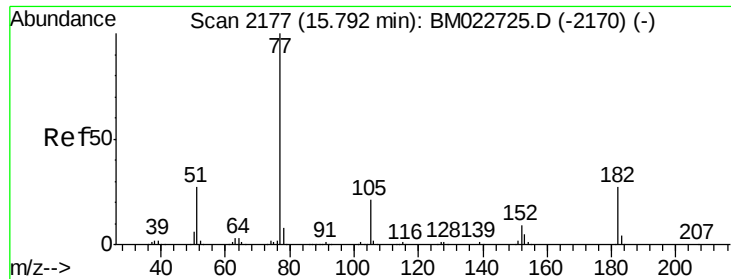
mohammad
9/24/2019 8:34:52 AM



#62
4-Nitroaniline
Concen: 5.728 ng
RT: 15.51 min Scan# 2129
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	44465		
92	49.8	28.7	68.7	
108	68.6	50.3	90.3	





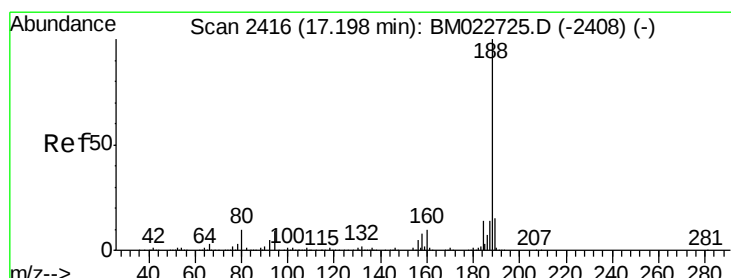
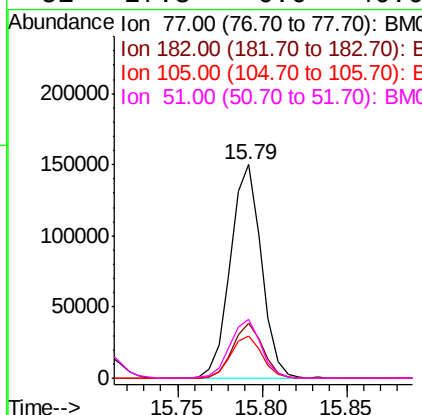
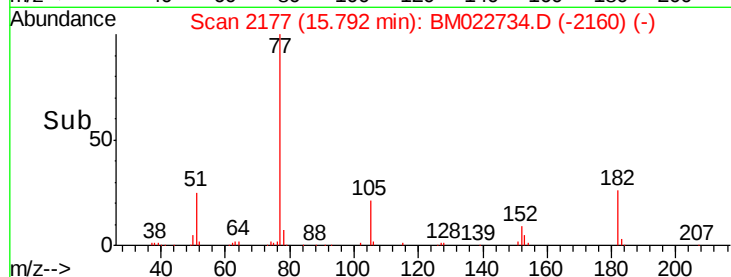
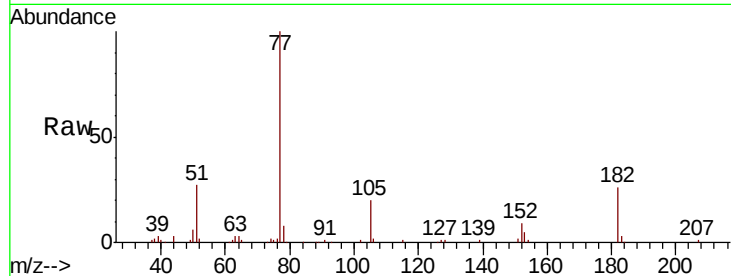
#63
Azobenzene
Concen: 7.092 ng
RT: 15.79 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	25.8	7.0	47.0		
105	20.1	0.9	40.9		
51	27.3	6.6	46.6		

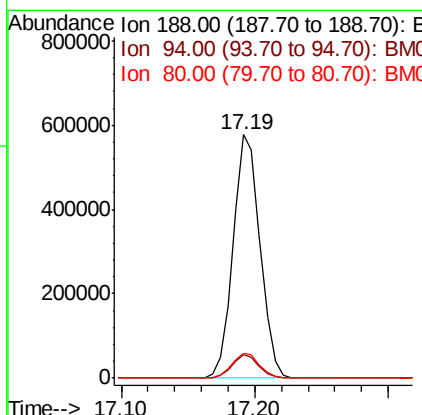
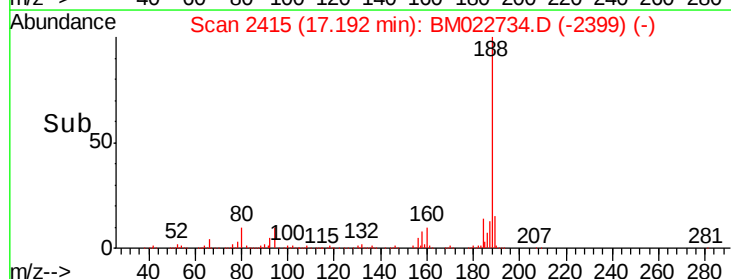
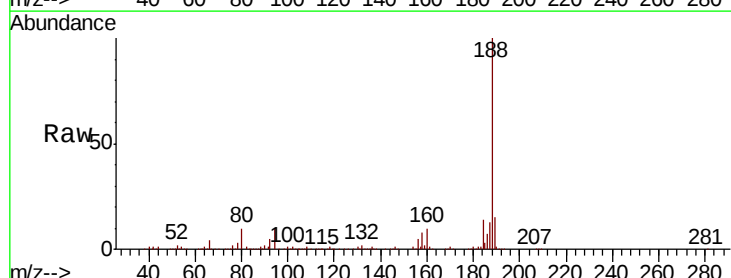
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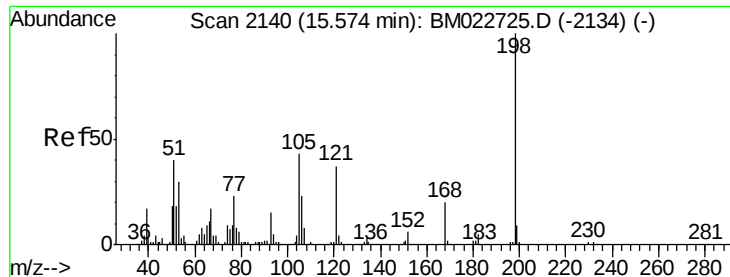
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.8	7.3	10.9		
80	10.3	7.8	11.8		





#65

4,6-Dinitro-2-methylphenol

Concen: 5.396 ng

RT: 15.57 min Scan# 2139

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

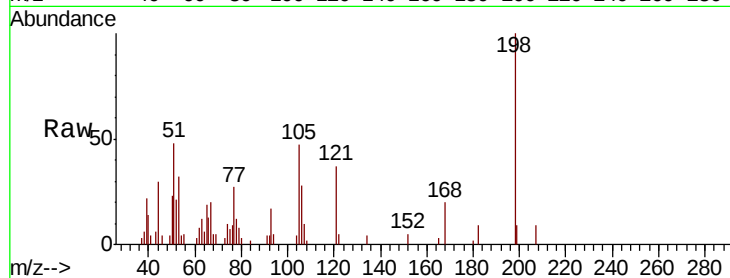
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	198	Resp:	20406
Ion Ratio	Lower	Upper	
198	100		
51	47.6	21.0	61.0
105	47.3	22.5	62.5

Manual Integrations
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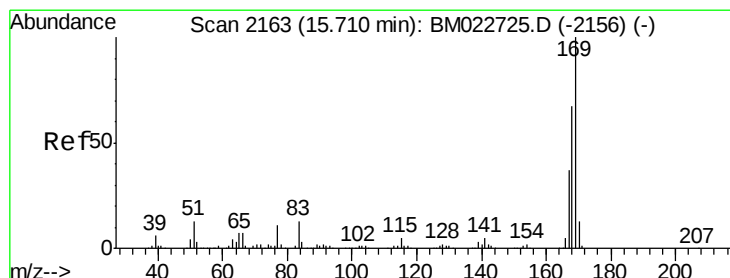
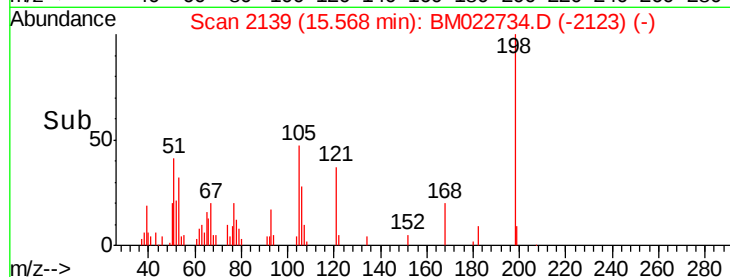
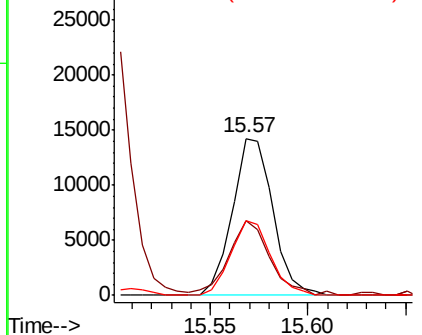
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 7.590 ng

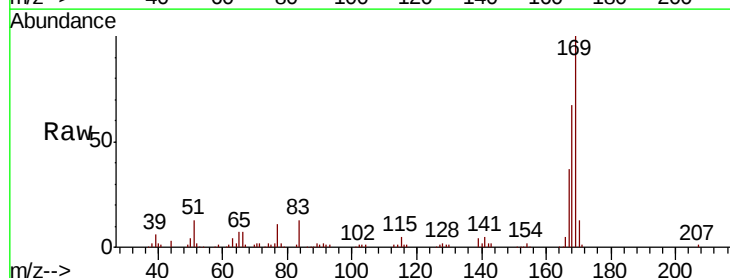
RT: 15.71 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

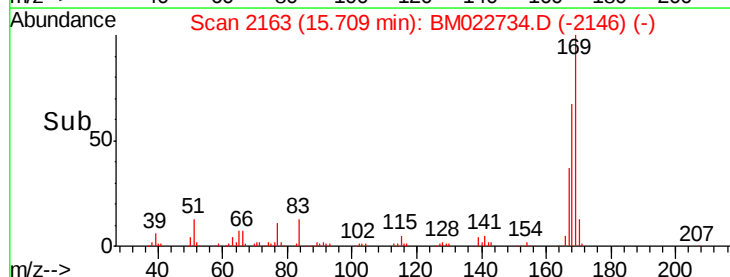
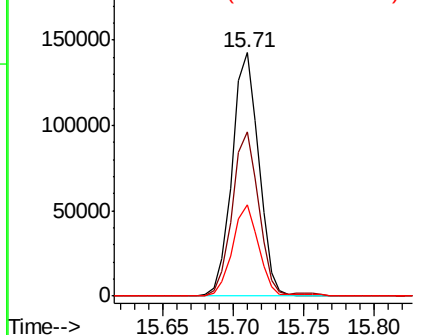
Tgt Ion:	169	Resp:	187261
Ion Ratio	Lower	Upper	
169	100		
168	67.4	53.4	80.2
167	37.4	29.3	43.9

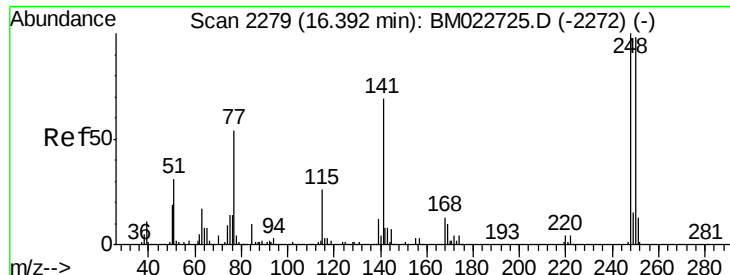


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





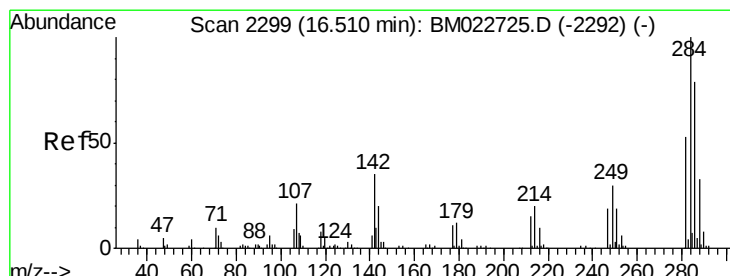
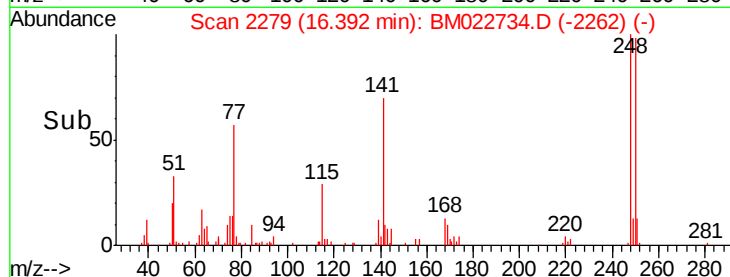
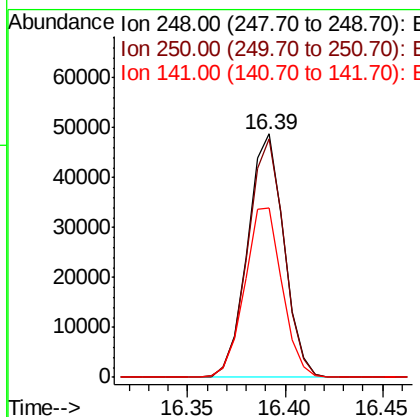
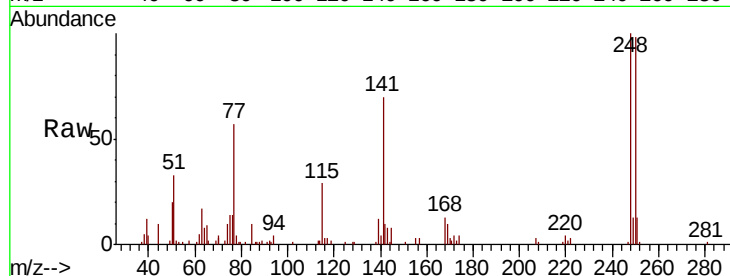
#67
 4-Bromophenyl-phenylether
 Concen: 7.007 ng
 RT: 16.39 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.4	117.6
141	69.7	55.1	82.7

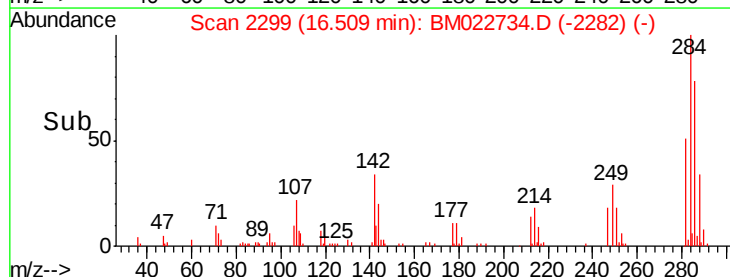
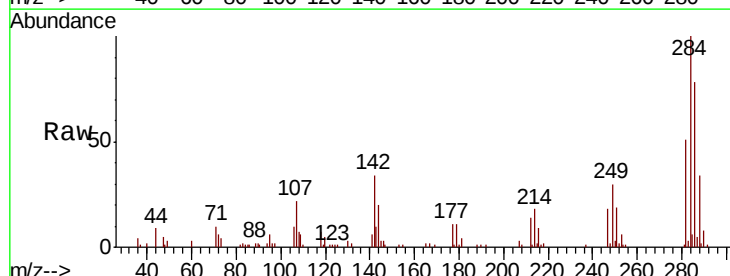
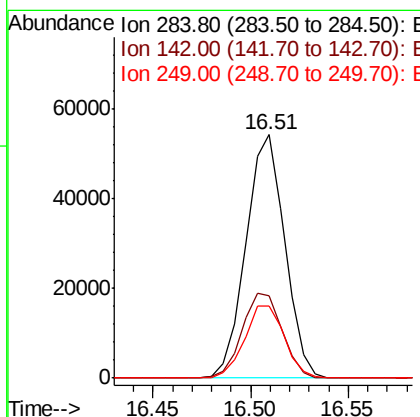
Manual Integrations
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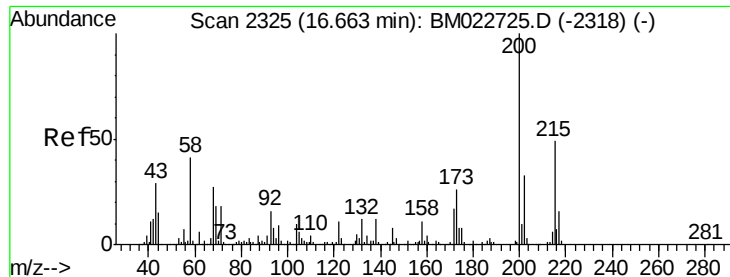
mohammad
 9/24/2019 8:34:52 AM



#68
 Hexachlorobenzene
 Concen: 7.136 ng
 RT: 16.51 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.6	27.8	41.8
249	29.8	24.4	36.6





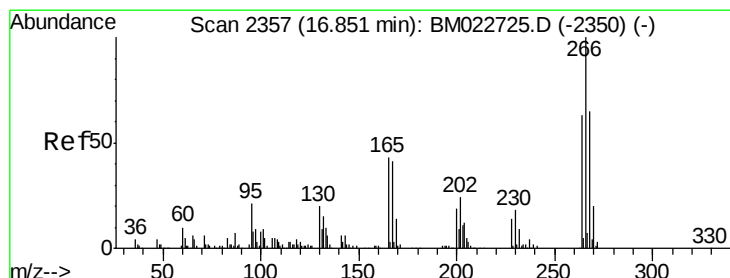
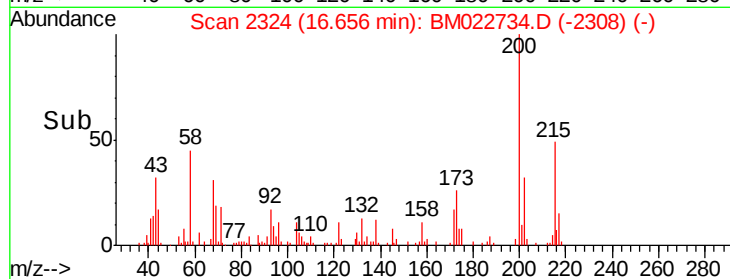
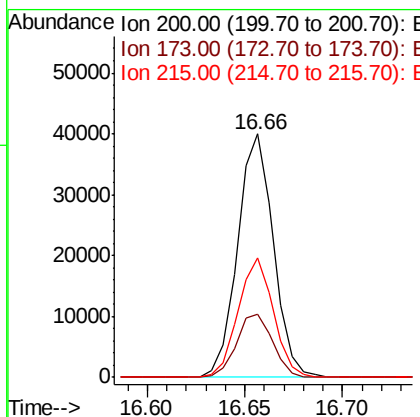
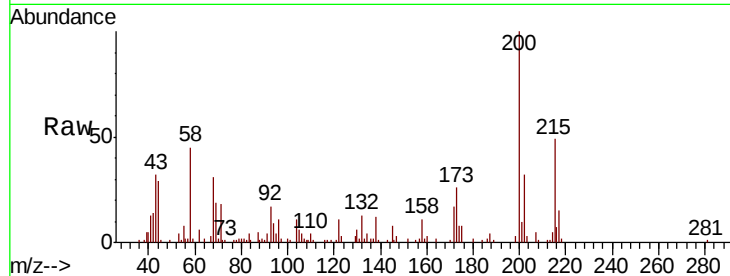
#69
Atrazine
Concen: 6.309 ng
RT: 16.66 min Scan# 2324
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.0	5.8	45.8
215	49.1	29.2	69.2

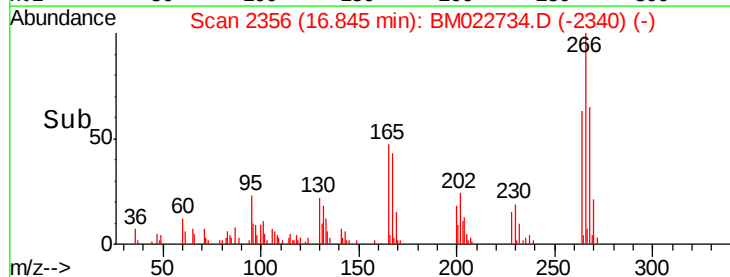
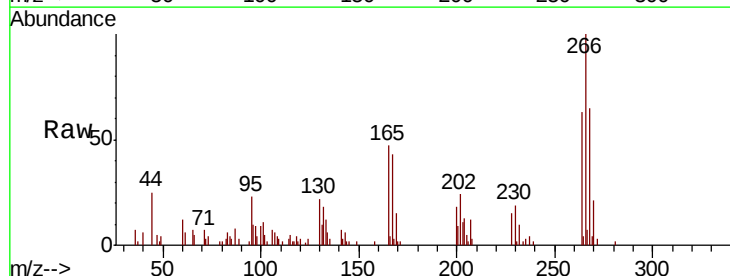
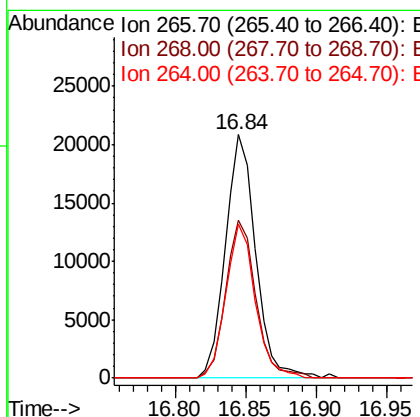
Manual Integrations
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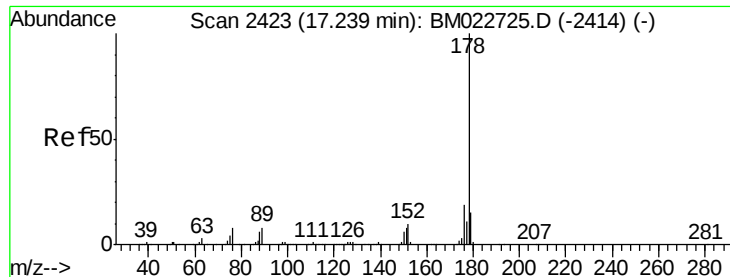
mohammad
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#70
Pentachlorophenol
Concen: 5.580 ng
RT: 16.84 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.8	77.6
264	63.0	50.2	75.4





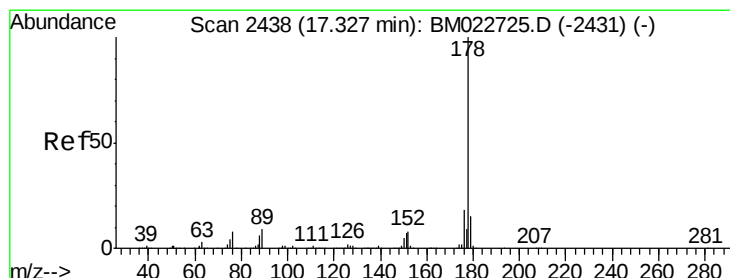
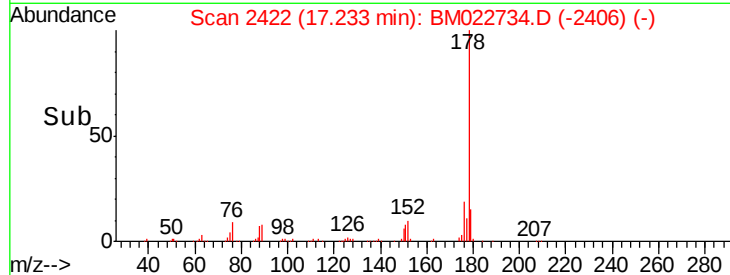
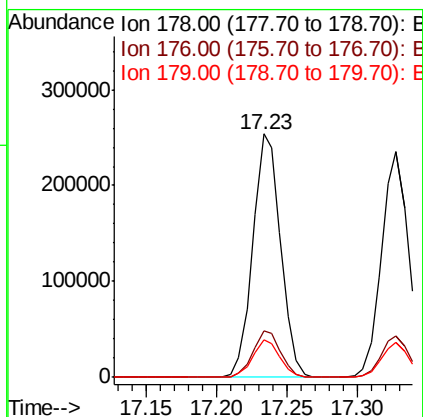
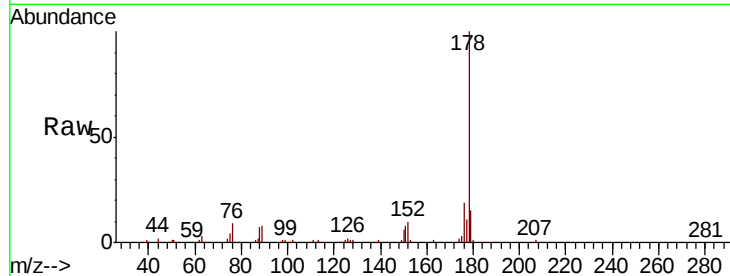
#71
Phenanthrene
Concen: 7.718 ng
RT: 17.23 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.5	12.3	18.5

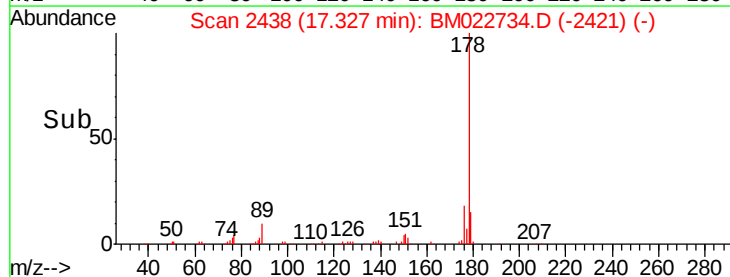
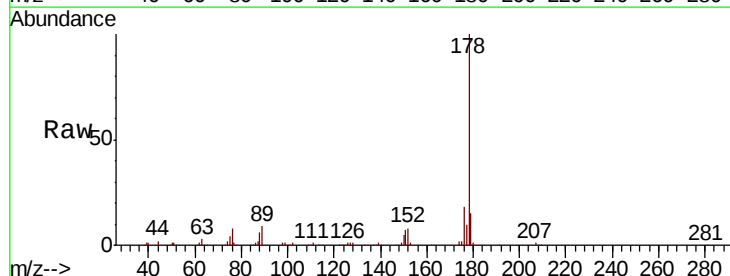
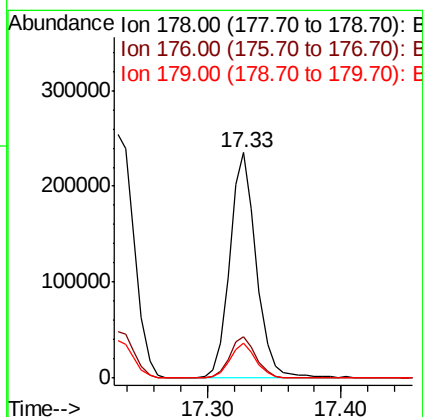
Manual Integrations
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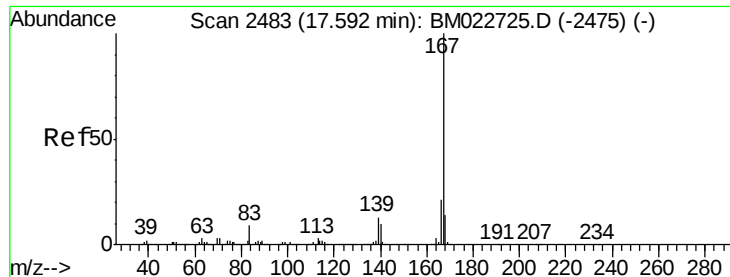
mohammad
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#72
Anthracene
Concen: 7.391 ng
RT: 17.33 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.3	12.2	18.4





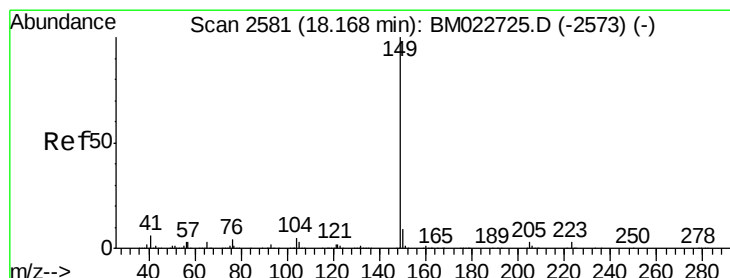
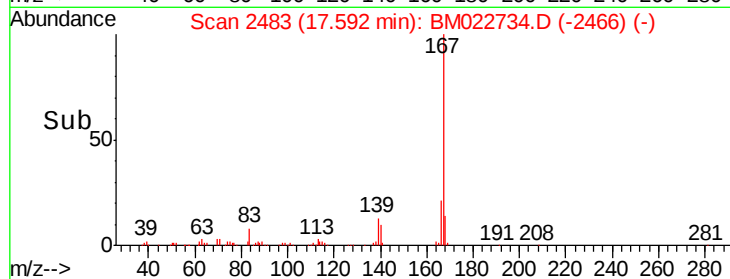
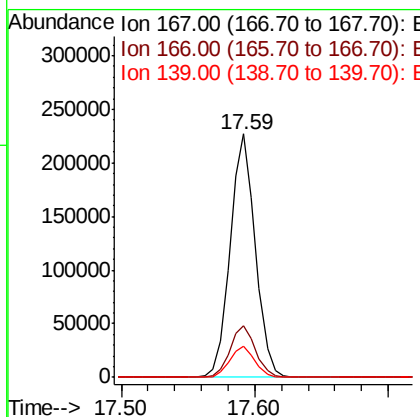
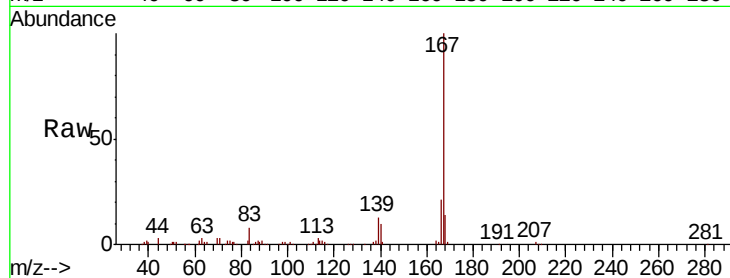
#73
 Carbazole
 Concen: 7.271 ng
 RT: 17.59 min Scan# 2483
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Resp	Lower	Upper
167	100	298799		
166	21.1		17.0	25.4
139	12.8		10.1	15.1

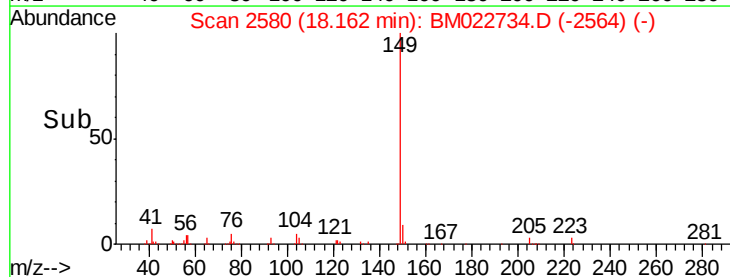
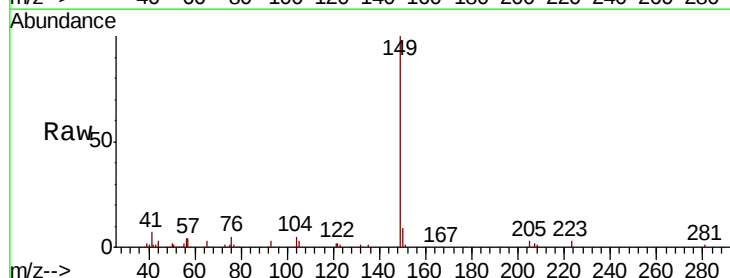
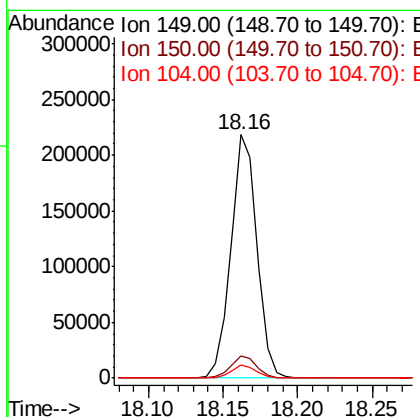
Manual Integrations
 APPROVED

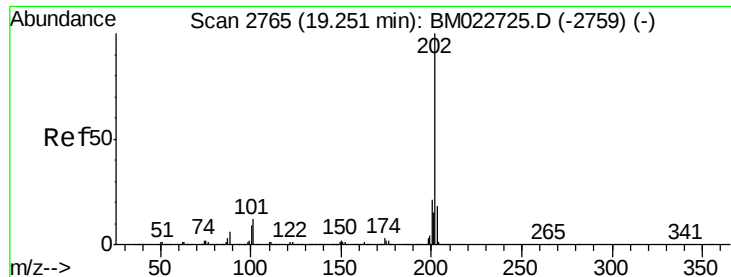
mohammad
 9/24/2019 8:34:52 AM



#74
 Di-n-butylphthalate
 Concen: 5.735 ng
 RT: 18.16 min Scan# 2580
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	267222		
150	9.2		7.3	10.9
104	5.4		3.8	5.6





#75

Fluoranthene

Concen: 7.109 ng

RT: 19.25 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

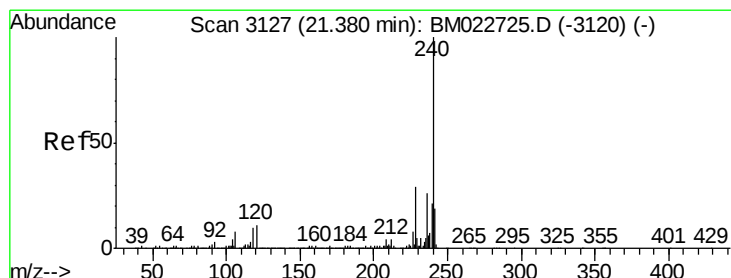
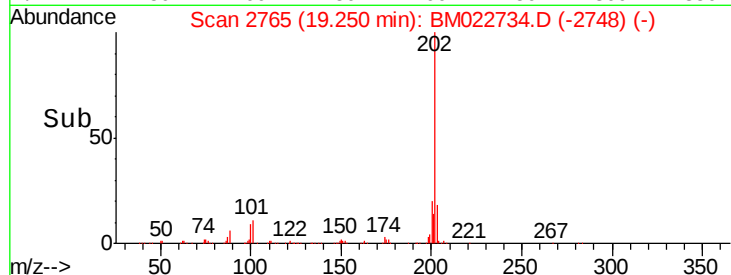
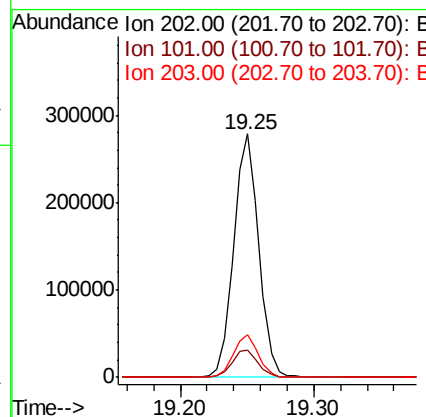
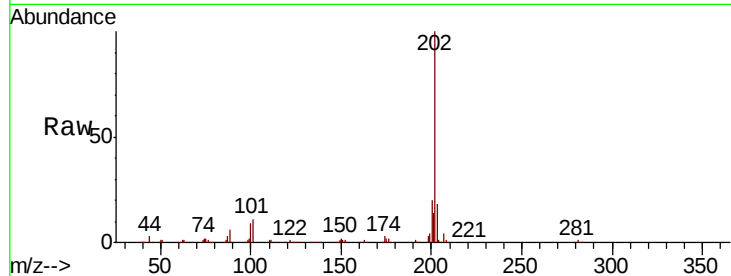
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	32.1
203	17.6	0.0	37.7

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

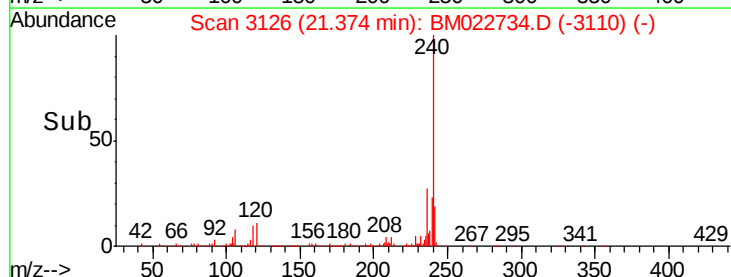
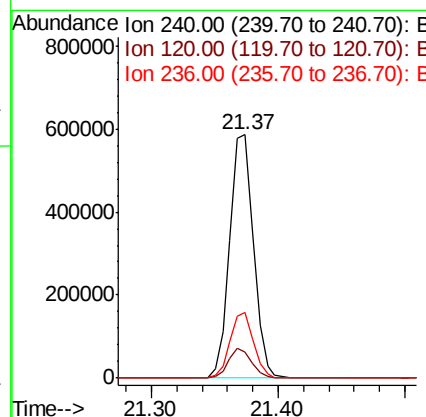
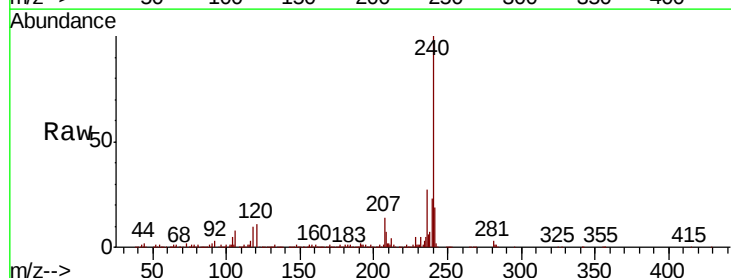
RT: 21.37 min Scan# 3126

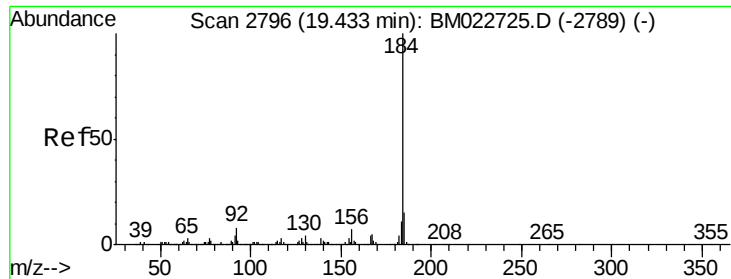
Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.6	8.8	13.2
236	26.9	20.8	31.2





#77

Benzidine

Concen: 6.453 ng

RT: 19.43 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

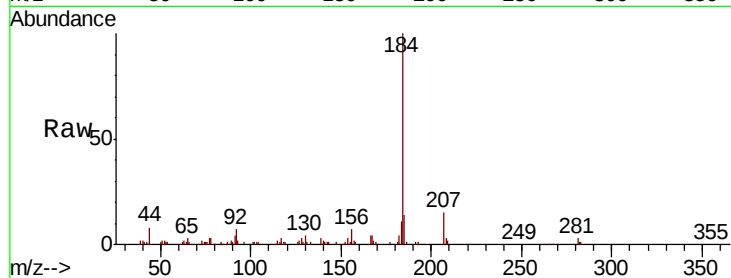
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
184	100				
185	13.7		11.6	17.4	
183	11.2		9.1	13.7	

Manual Integrations
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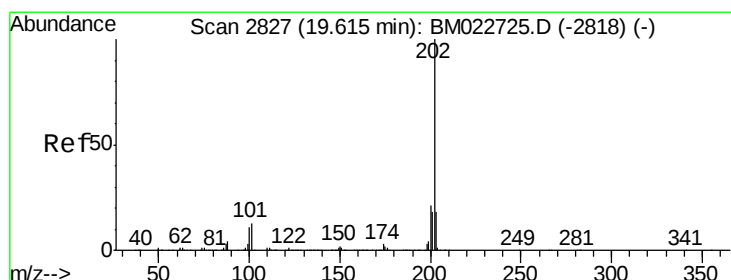
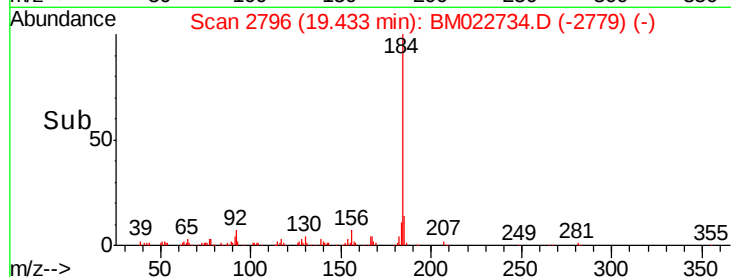
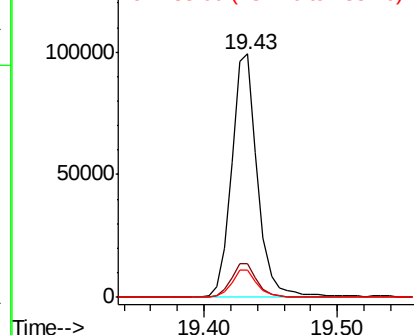


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 7.708 ng

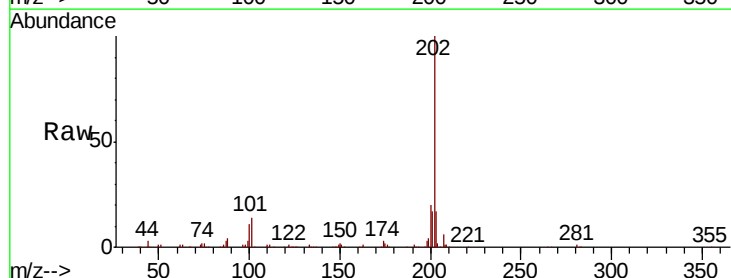
RT: 19.61 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.5		16.7	25.1	
203	16.9		14.1	21.1	

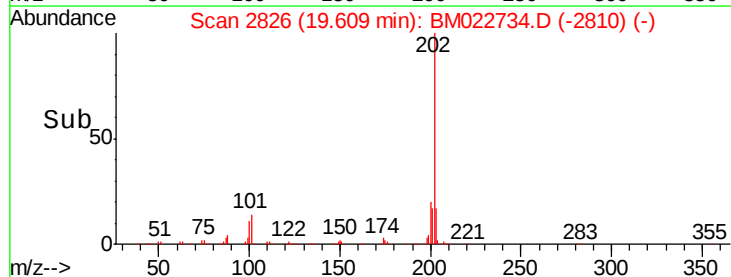
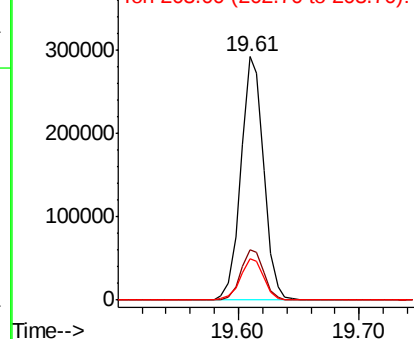


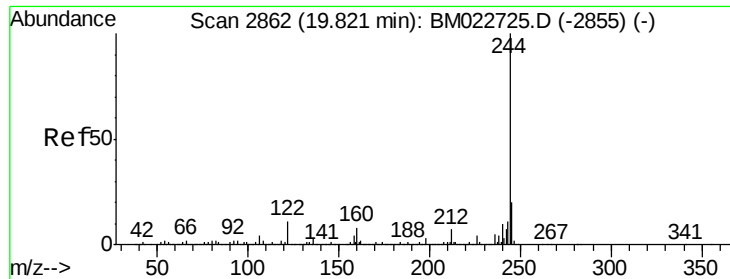
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





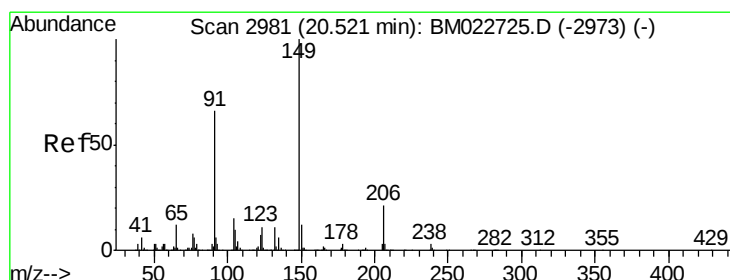
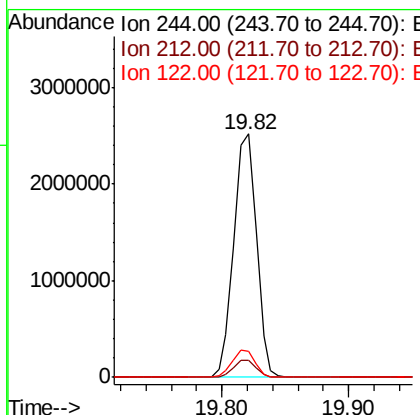
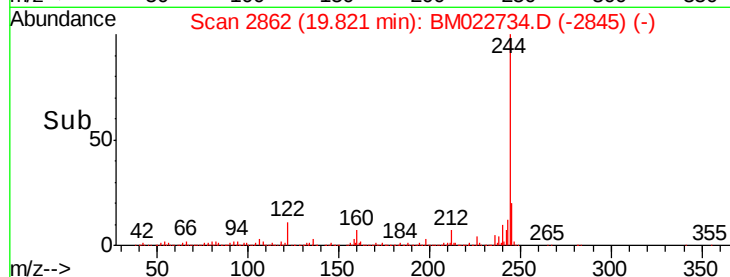
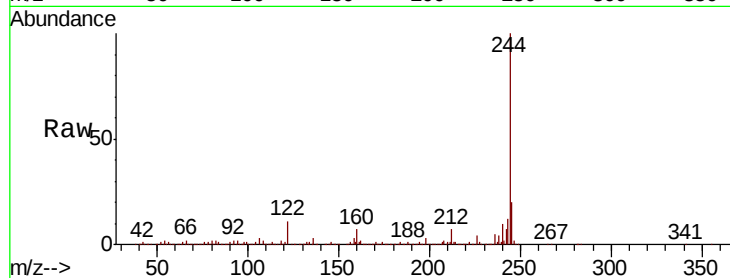
#79
 Terphenyl-d14
 Concen: 79.269 ng
 RT: 19.82 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.6	9.0	13.4

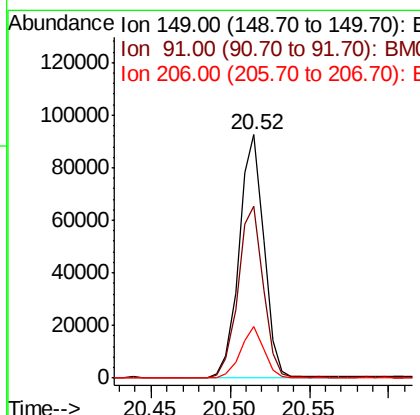
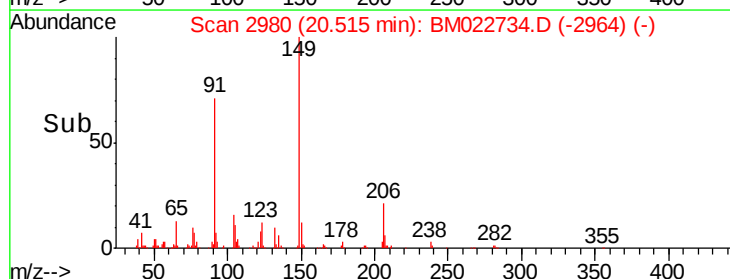
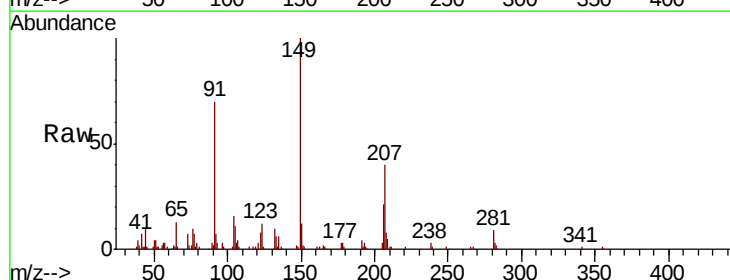
Manual Integrations
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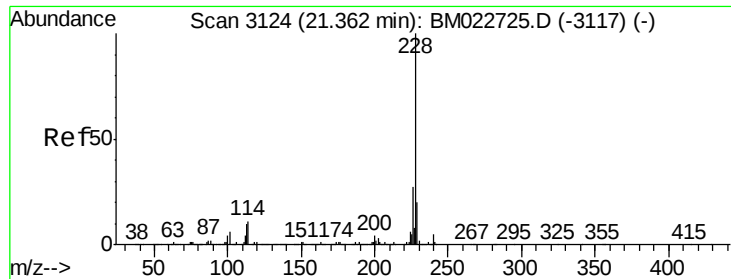
mohammad
 9/24/2019 8:34:52 AM



#80
 Butylbenzylphthalate
 Concen: 5.223 ng
 RT: 20.52 min Scan# 2980
 Delta R.T. -0.01 min
 Lab File: BM022734.D
 Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.4	53.0	79.4
206	21.1	16.9	25.3





#81

Benzo(a)anthracene

Concen: 7.466 ng

RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

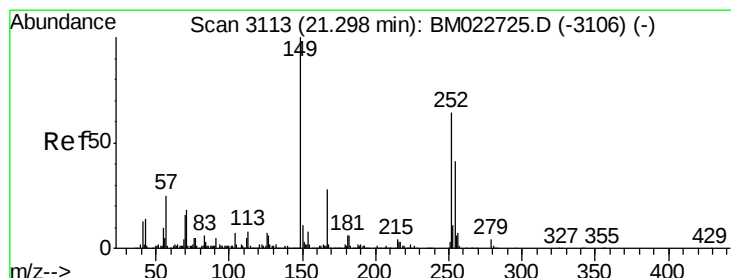
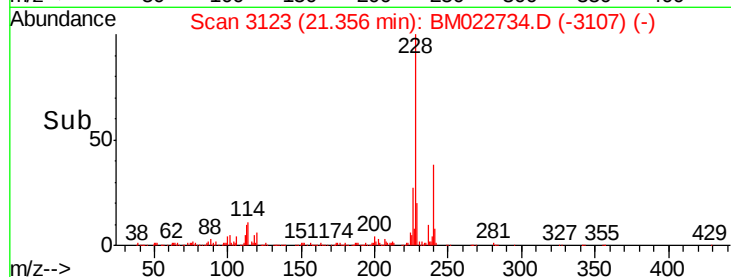
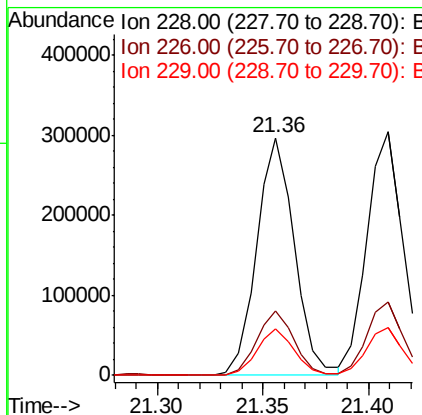
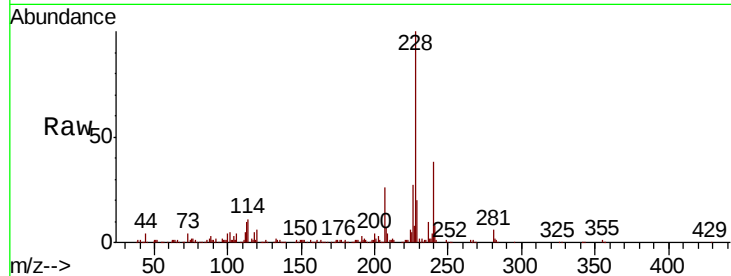
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	228	Resp:	368556
Ion Ratio	Lower	Upper	
228	100		
226	27.0	22.0	33.0
229	19.7	15.9	23.9

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 6.586 ng

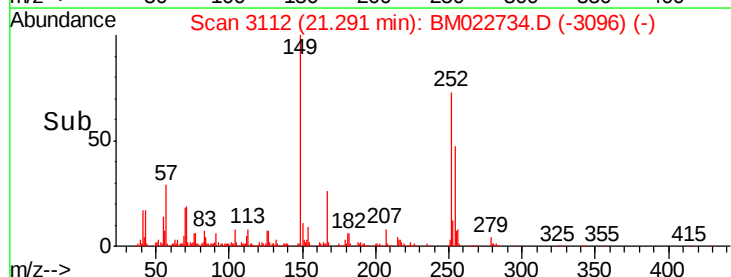
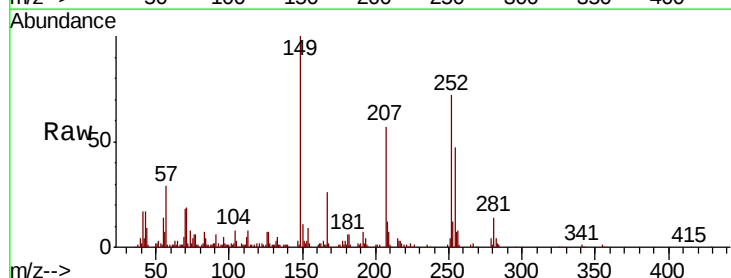
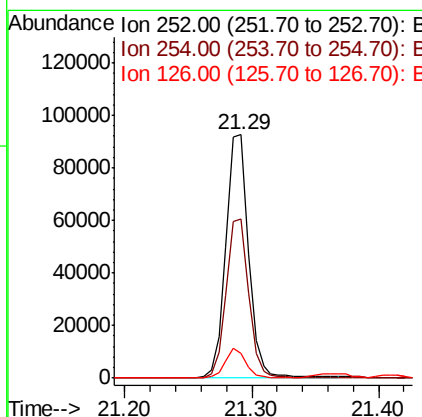
RT: 21.29 min Scan# 3112

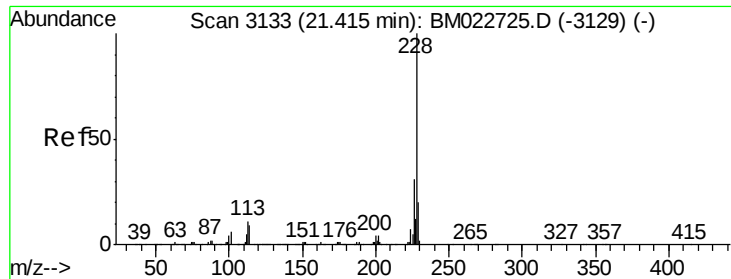
Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Tgt Ion:	252	Resp:	115305
Ion Ratio	Lower	Upper	
252	100		
254	65.2	51.7	77.5
126	10.3	8.3	12.5





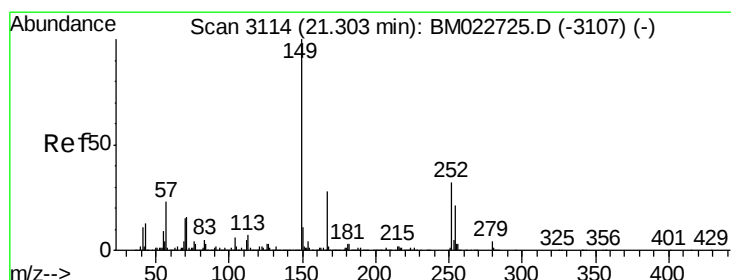
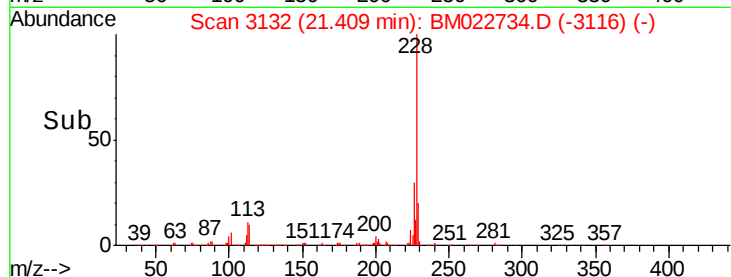
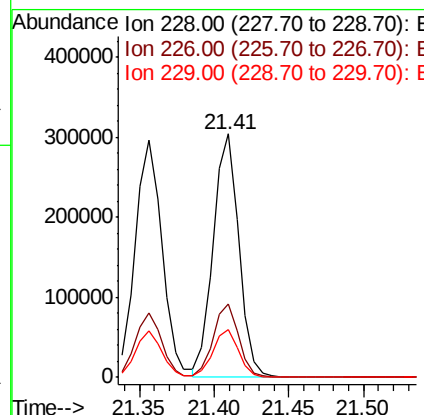
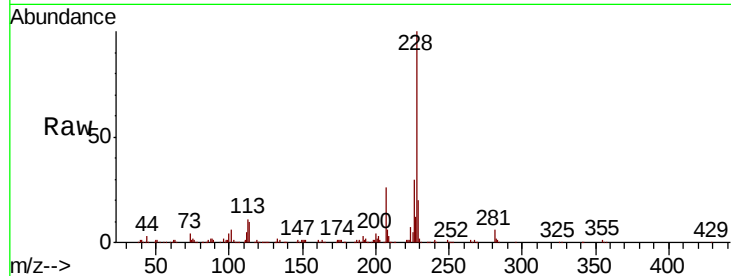
#83
Chrysene
Concen: 7.592 ng
RT: 21.41 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.7	15.9	23.9

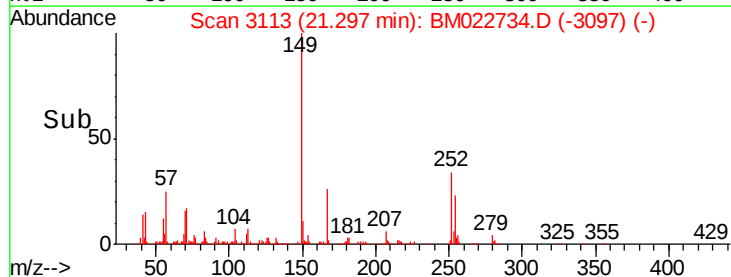
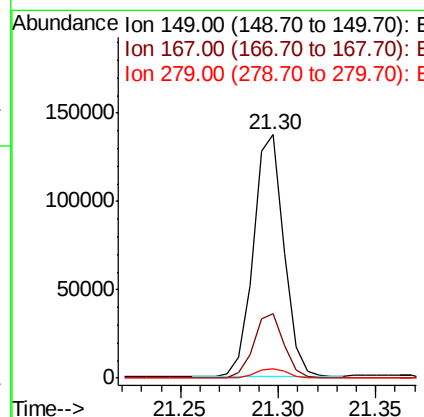
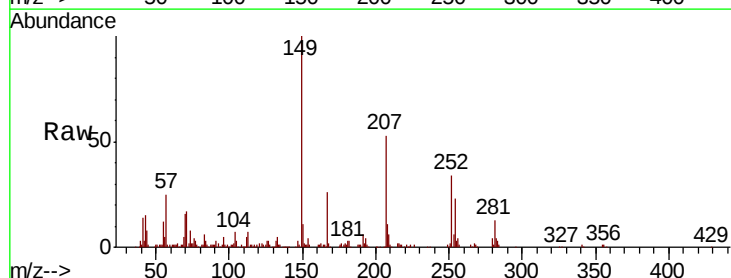
Manual Integrations
APPROVED

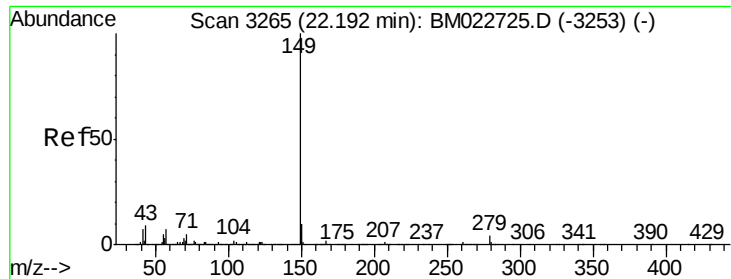
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.274 ng
RT: 21.30 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.4	22.1	33.1
279	4.1	3.4	5.0





#85

Di-n-octyl phthalate

Concen: 4.974 ng

RT: 22.18 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

Instrument :

BNA_M

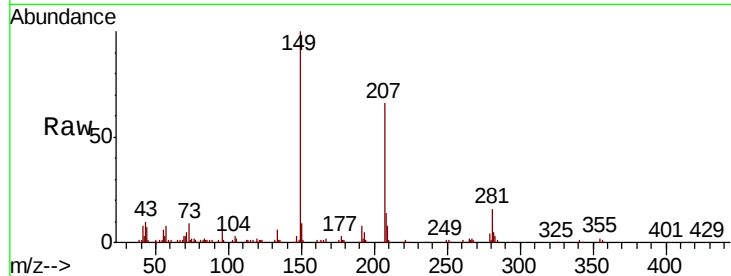
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2019

Tot Ion:	149	Resp:	222821
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.3	1.9
43	10.9	7.4	11.0

Manual Integrations
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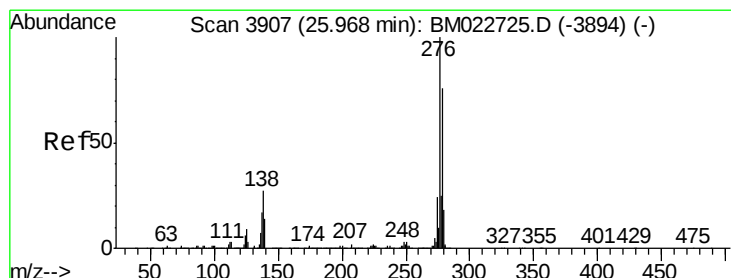
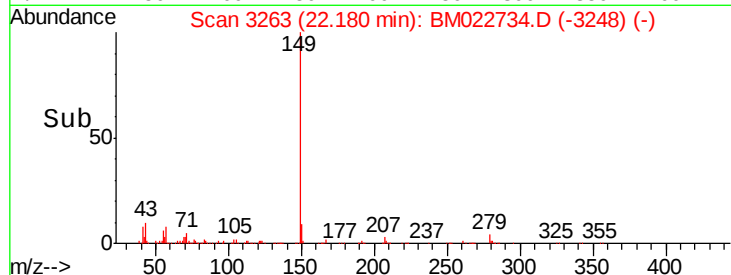
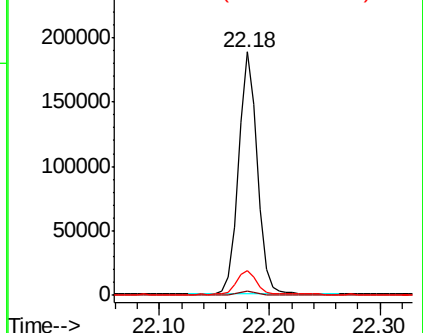


Abundance

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: 7.041 ng

RT: 25.95 min Scan# 3904

Delta R.T. -0.02 min

Lab File: BM022734.D

Acq: 20 Sep 2019 20:19

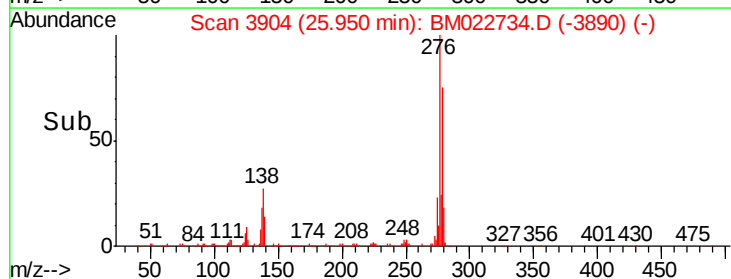
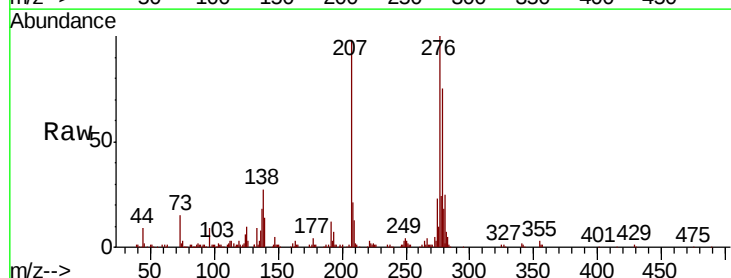
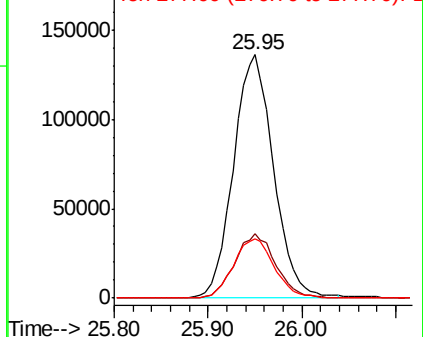
Tgt Ion:	276	Resp:	402216
Ion Ratio	Lower	Upper	
276	100		
138	27.0	0.0	0.0#
277	25.0	0.0	0.0#

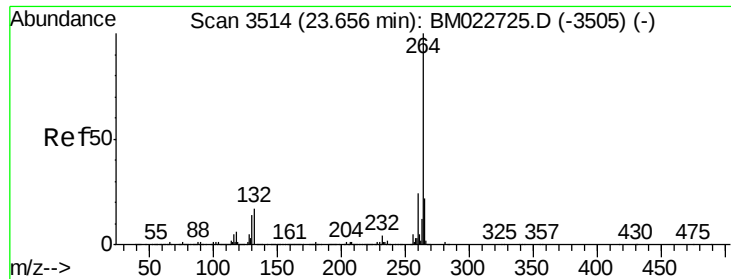
Abundance

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





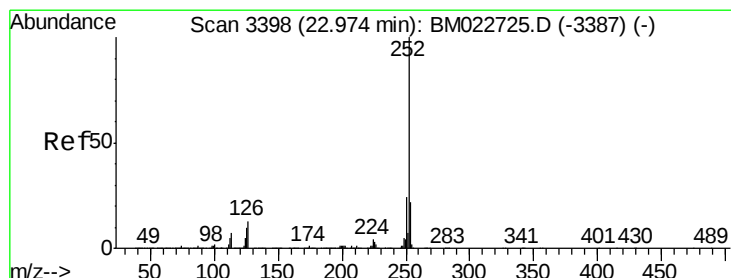
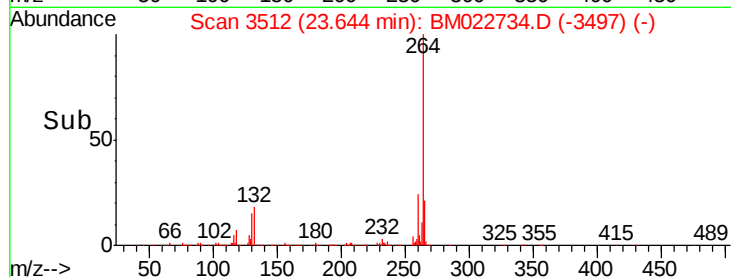
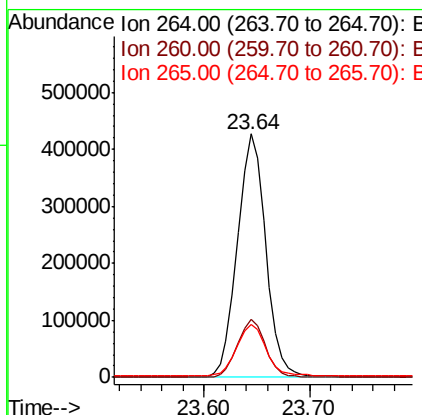
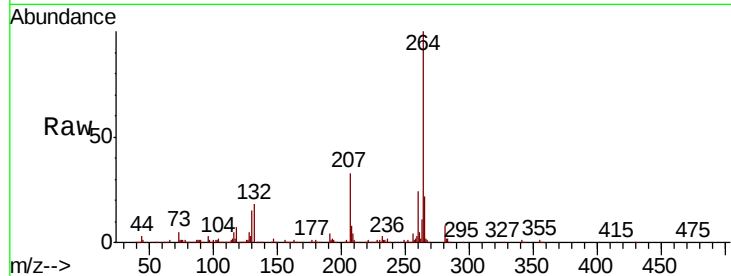
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.9	17.9	26.9

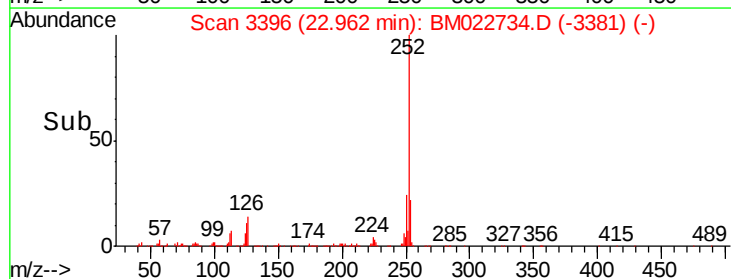
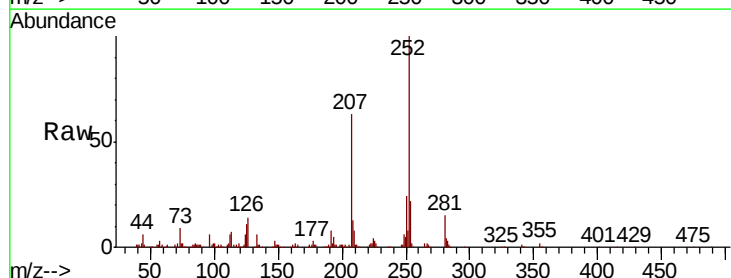
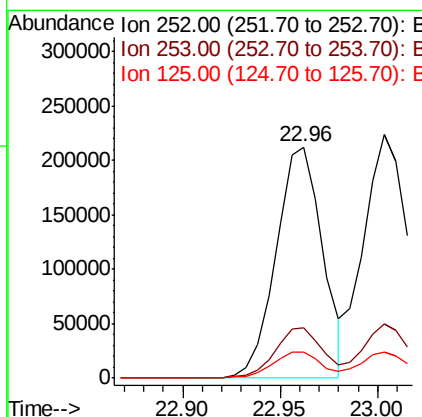
Manual Integrations
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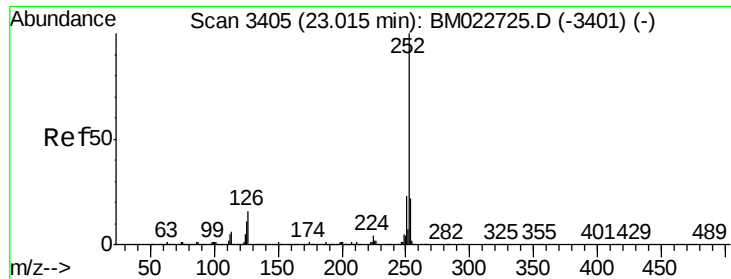
mohammad
9/24/2019 8:34:52 AM



#88
Benzo(b)fluoranthene
Concen: 7.216 ng
RT: 22.96 min Scan# 3396
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.2	8.2	12.4





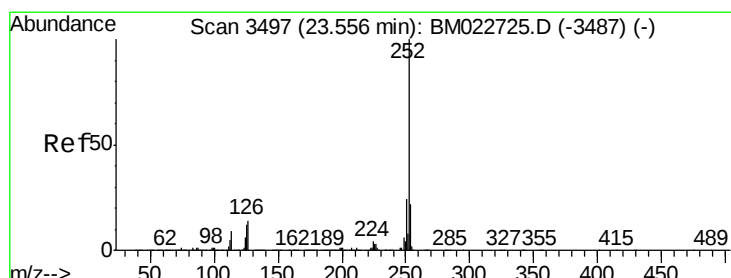
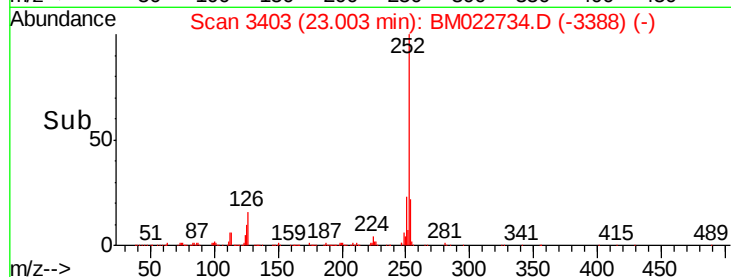
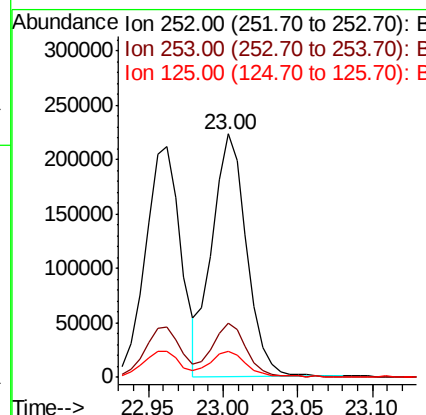
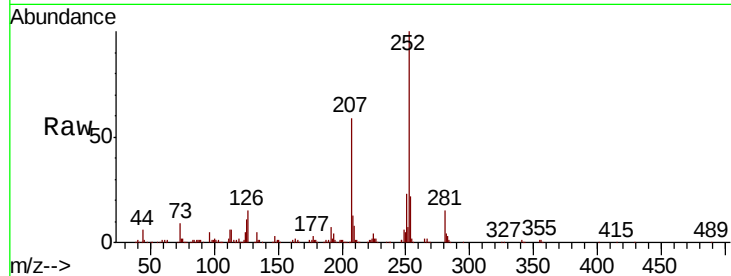
#89
Benzo(k)fluoranthene
Concen: 7.489 ng
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.6	8.5	12.7

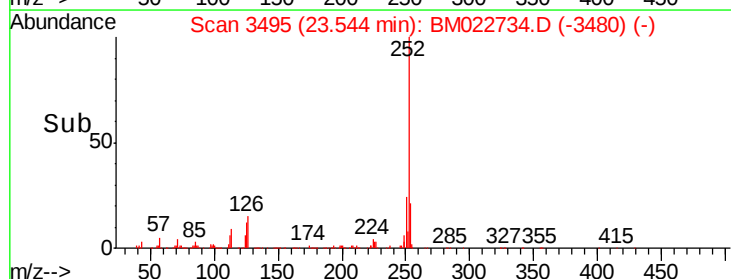
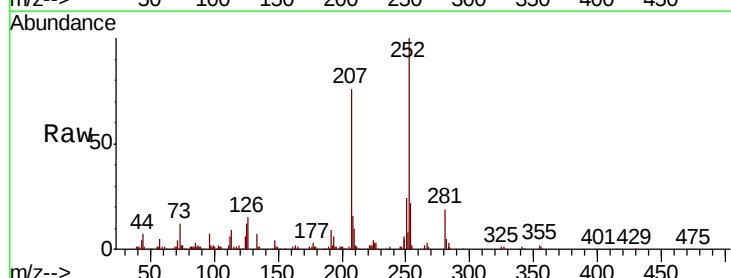
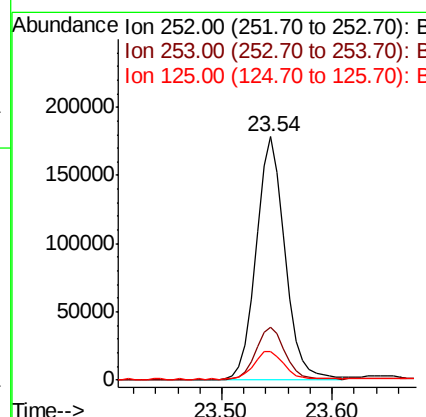
Manual Integrations
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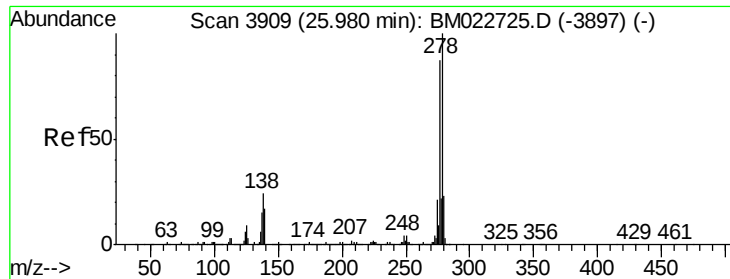
mohammad
9/24/2019 8:34:52 AM



#90
Benzo(a)pyrene
Concen: 7.308 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	11.9	9.3	13.9





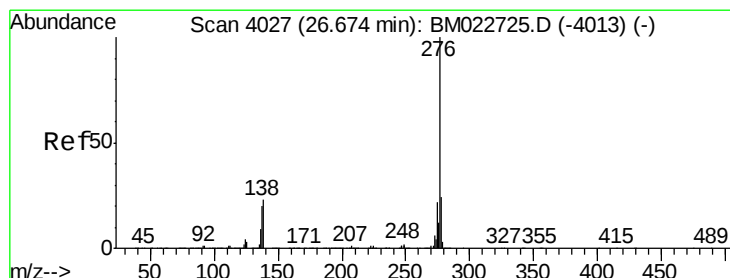
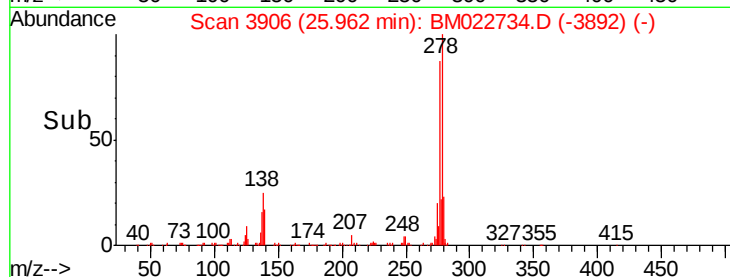
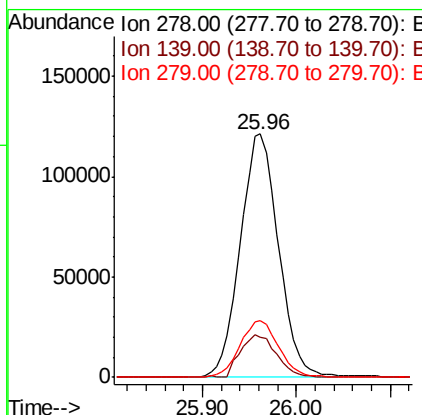
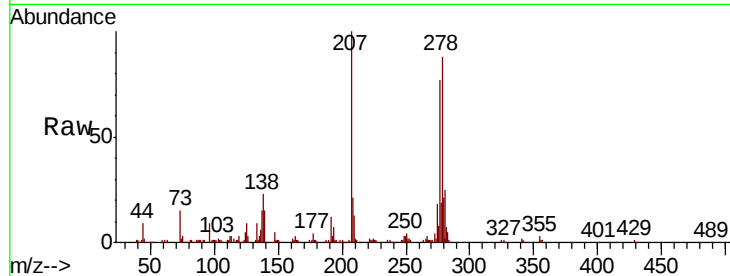
#91
Dibenzo(a,h)anthracene
Concen: 7.338 ng
RT: 25.96 min Scan# 3906
Delta R.T. -0.02 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.7	20.5
279	23.5	18.6	28.0

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:52 AM



#92
Benzo(g,h,i)perylene
Concen: 7.510 ng
RT: 26.65 min Scan# 4023
Delta R.T. -0.02 min
Lab File: BM022734.D
Acq: 20 Sep 2019 20:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	22.7	18.5	27.7

