

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092019\
 Data File : BM022735.D
 Acq On : 20 Sep 2019 20:55
 Operator : HP/JU
 Sample : K3591-02
 Misc : L00-S-10PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Manual Integrations
 APPROVED

mohammad
 9/24/2019 8:34:54 AM

Quant Time: Sep 21 02:28:24 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	7.83	152	212460	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	839763	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	469989	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	933885	20.00	ng	0.00
76) Chrysene-d12	21.37	240	929239	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1001891	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1540621	115.00	ng	0.00
7) Phenol-d6	6.99	99	1955581	113.66	ng	0.00
23) Nitrobenzene-d5	8.97	82	1163372	76.90	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	687227	117.13	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2642427	77.42	ng	0.00
79) Terphenyl-d14	19.82	244	3771366	78.59	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	56836	10.544	ng	# 100
3) Pyridine	3.73	79	124987	8.797	ng	98
4) n-Nitrosodimethylamine	3.63	42	48550	9.386	ng	# 92
6) Aniline	7.15	93	199795	9.684	ng	99
8) 2-Chlorophenol	7.39	128	136478	9.999	ng	96
9) Benzaldehyde	6.96	77	115140	11.752	ng	98
10) Phenol	7.02	94	161728	9.984	ng	98
11) bis(2-Chloroethyl)ether	7.25	93	123188	9.679	ng	99
12) 1,3-Dichlorobenzene	7.72	146	152716	9.362	ng	98
13) 1,4-Dichlorobenzene	7.86	146	156812	9.495	ng	99
14) 1,2-Dichlorobenzene	8.17	146	147756	9.384	ng	99
15) Benzyl Alcohol	8.06	79	102021	9.476	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.36	45	179196	9.693	ng	100
17) 2-Methylphenol	8.26	107	101103	9.430	ng	99
18) Hexachloroethane	8.91	117	56280	9.291	ng	98
19) n-Nitroso-di-n-propylamine	8.63	70	90947	9.466	ng	98
20) 3+4-Methylphenols	8.59	107	133310	9.335	ng	98
22) Acetophenone	8.65	105	192455	9.284	ng	# 100
24) Nitrobenzene	9.02	77	146952	10.153	ng	99
25) Isophorone	9.55	82	231950	9.325	ng	98
26) 2-Nitrophenol	9.73	139	50697	8.113	ng	97
27) 2,4-Dimethylphenol	9.79	122	104389	9.979	ng	99
28) bis(2-Chloroethoxy)methane	10.03	93	161047	9.356	ng	99
29) 2,4-Dichlorophenol	10.26	162	106109	8.972	ng	99
30) 1,2,4-Trichlorobenzene	10.48	180	134159	9.220	ng	97
31) Naphthalene	10.67	128	407211	9.814	ng	100
32) Benzoic acid	9.86	122	35565m	5.282	ng	
33) 4-Chloroaniline	10.77	127	166975	9.268	ng	99
34) Hexachlorobutadiene	10.96	225	76792	8.853	ng	99
35) Caprolactam	11.55	113	28130m	8.023	ng	
36) 4-Chloro-3-methylphenol	11.89	107	104296	9.039	ng	98
37) 2-Methylnaphthalene	12.28	142	278444	9.641	ng	99
38) 1-Methylnaphthalene	12.50	142	260993	9.520	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	139329	8.749	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092019\
 Data File : BM022735.D
 Acq On : 20 Sep 2019 20:55
 Operator : HP/JU
 Sample : K3591-02
 Misc : L00-S-10PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

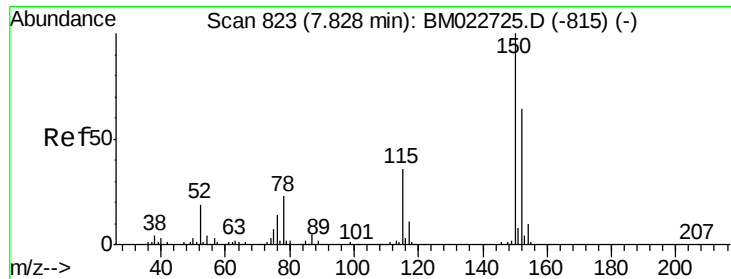
Manual Integrations
 APPROVED

mohammad
 9/24/2019 8:34:54 AM

Quant Time: Sep 21 02:28:24 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)
41) Hexachlorocyclopentadiene	12.63	237	81455	9.375	nq	98
43) 2,4,6-Trichlorophenol	12.89	196	76316	8.303	nq	97
44) 2,4,5-Trichlorophenol	12.96	196	86490	9.030	nq	99
46) 1,1'-Biphenyl	13.29	154	352236	9.055	nq	99
47) 2-Chloronaphthalene	13.33	162	277099	9.558	nq	99
48) 2-Nitroaniline	13.53	65	59968	7.943	nq	94
49) Acenaphthylene	14.18	152	411708	9.590	nq	100
50) Dimethylphthalate	13.91	163	313378	9.227	nq	100
51) 2,6-Dinitrotoluene	14.02	165	63037	8.873	nq	95
52) Acenaphthene	14.52	154	266309	9.481	nq	99
53) 3-Nitroaniline	14.35	138	64276	7.859	nq	# 93
54) 2,4-Dinitrophenol	14.56	184	20986	6.256	nq	100
55) Dibenzofuran	14.86	168	408318	9.958	nq	98
56) 4-Nitrophenol	14.65	139	51453	8.185	nq	99
57) 2,4-Dinitrotoluene	14.81	165	74838	8.041	nq	94
58) Fluorene	15.50	166	321866	9.659	nq	100
59) 2,3,4,6-Tetrachlorophenol	15.08	232	70500	8.440	nq	98
60) Diethylphthalate	15.27	149	294630	8.921	nq	99
61) 4-Chlorophenyl-phenylether	15.50	204	159872	9.338	nq	99
62) 4-Nitroaniline	15.51	138	70941	8.273	nq	99
63) Azobenzene	15.79	77	281155	9.427	nq	99
65) 4,6-Dinitro-2-methylphenol	15.57	198	31878	7.289	nq	96
66) n-Nitrosodiphenylamine	15.71	169	269846	9.458	nq	99
67) 4-Bromophenyl-phenylether	16.39	248	90949	8.756	nq	97
68) Hexachlorobenzene	16.51	284	108028	8.918	nq	97
69) Atrazine	16.66	200	76631	8.262	nq	100
70) Pentachlorophenol	16.84	266	49039	7.591	nq	99
71) Phenanthrene	17.24	178	499982	9.488	nq	99
72) Anthracene	17.33	178	478373	9.367	nq	100
73) Carbazole	17.59	167	443303	9.328	nq	99
74) Di-n-butylphthalate	18.16	149	415314	7.707	nq	100
75) Fluoranthene	19.25	202	541974	9.115	nq	99
77) Benzidine	19.43	184	226764	8.895	nq	100
78) Pyrene	19.61	202	575736	9.454	nq	100
80) Butylbenzylphthalate	20.52	149	169768	7.335	nq	99
81) Benzo(a)anthracene	21.36	228	560107	9.300	nq	100
82) 3,3'-Dichlorobenzidine	21.29	252	189546	8.875	nq	99
83) Chrysene	21.41	228	562486	9.634	nq	99
84) Bis(2-ethylhexyl)phthalate	21.29	149	251641	7.338	nq	98
85) Di-n-octyl phthalate	22.18	149	385059	7.045	nq	98
86) Indeno(1,2,3-cd)pyrene	25.95	276	639184	9.172	nq	# 100
88) Benzo(b)fluoranthene	22.96	252	561751	9.260	nq	99
89) Benzo(k)fluoranthene	23.00	252	555202	9.224	nq	100
90) Benzo(a)pyrene	23.54	252	521637	9.332	nq	99
91) Dibenzo(a,h)anthracene	25.96	278	542742	9.283	nq	99
92) Benzo(g,h,i)perylene	26.65	276	523930	9.434	nq	100

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



#1

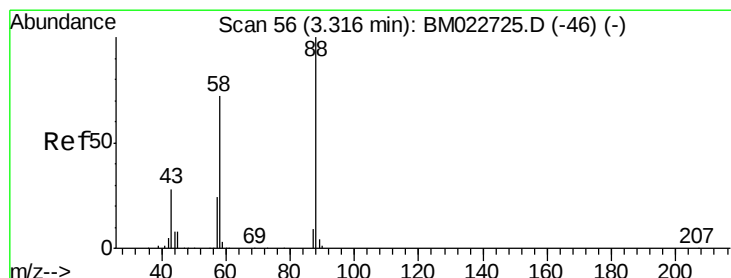
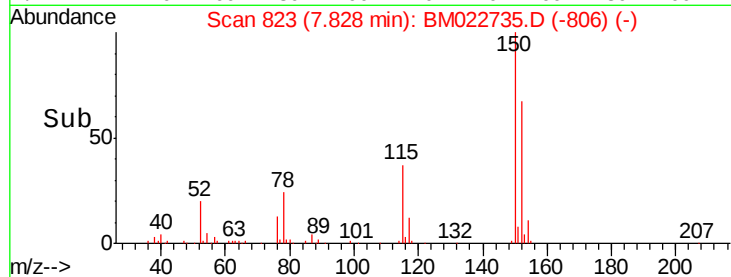
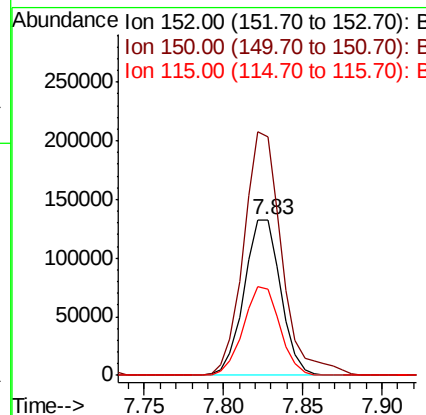
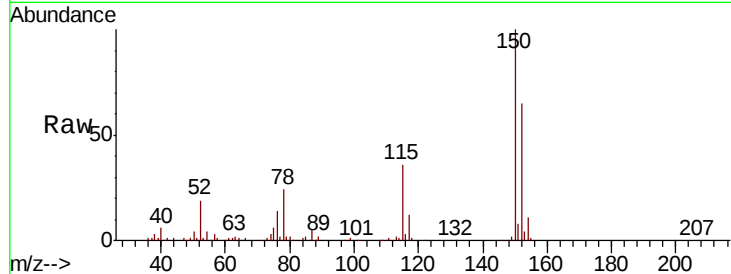
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 823
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.5	186.7
115	55.2	45.0	67.4

Manual Integrations
APPROVED

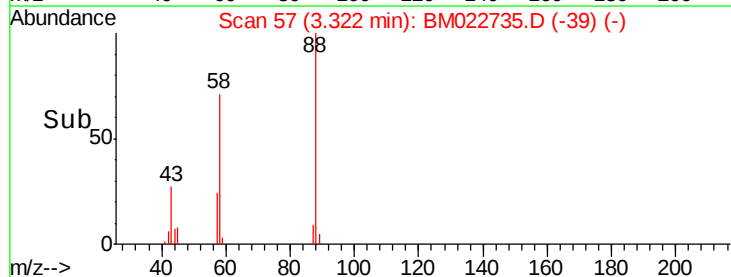
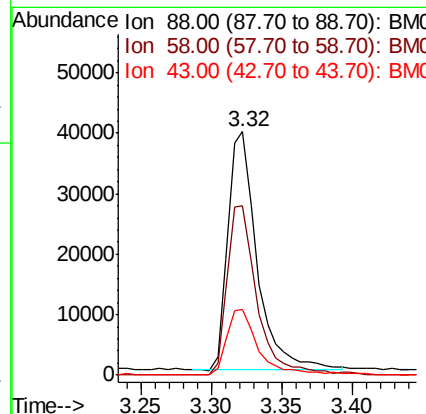
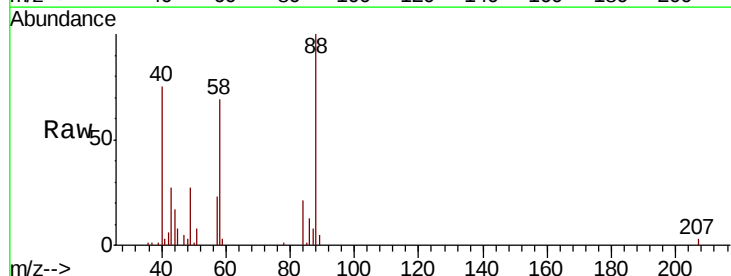
mohammad
9/24/2019 8:34:54 AM

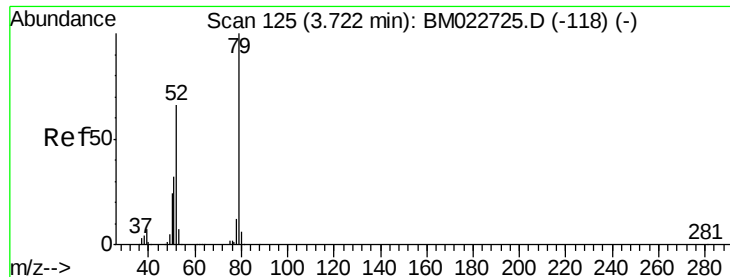


#2

1,4-Dioxane
Concen: 10.544 ng
RT: 3.32 min Scan# 57
Delta R.T. 0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.9	0.0	0.0#
43	29.8	0.0	0.0#





#3

Pvridine

Concen: 8.797 ng

RT: 3.73 min Scan# 127

Delta R.T. 0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

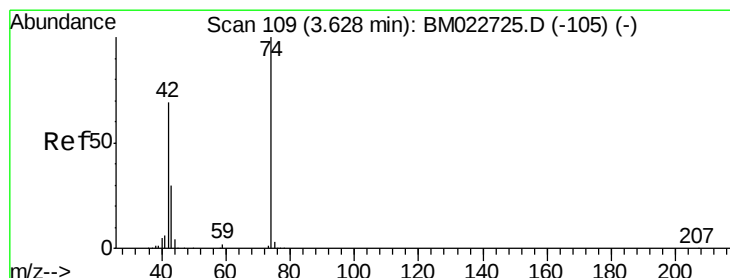
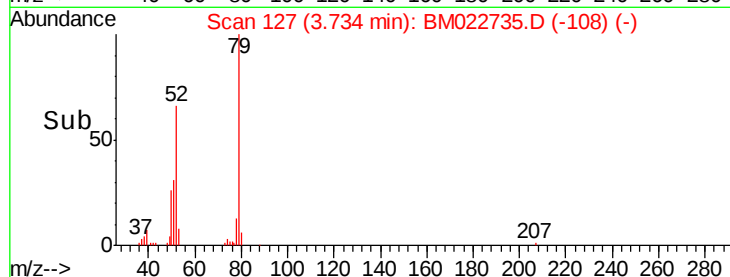
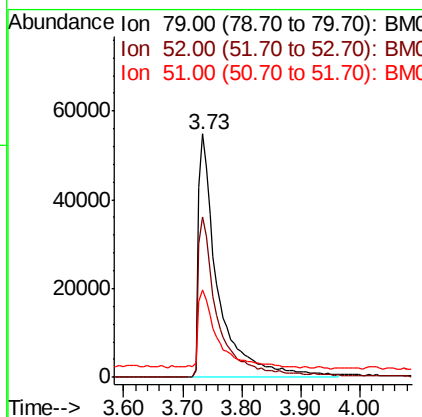
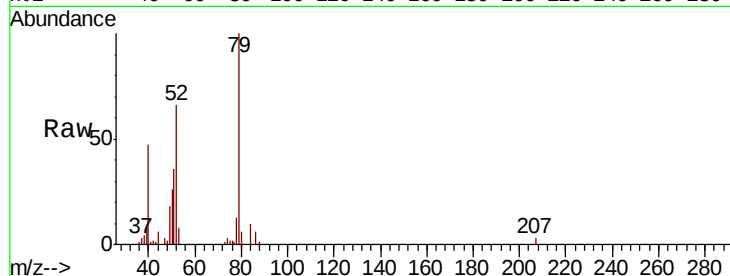
ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:	79	Resp:	124987
Ion Ratio	Lower	Upper	
79	100		
52	66.0	52.4	78.6
51	35.9	26.2	39.4

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM



#4

n-Nitrosodimethylamine

Concen: 9.386 ng

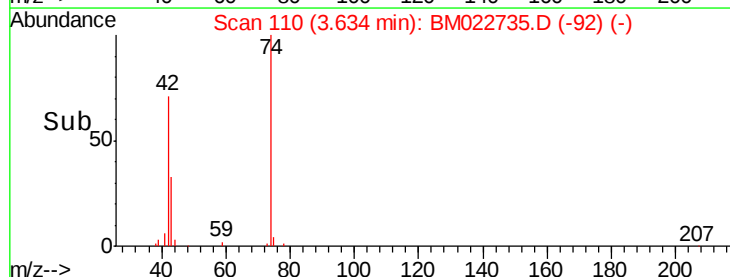
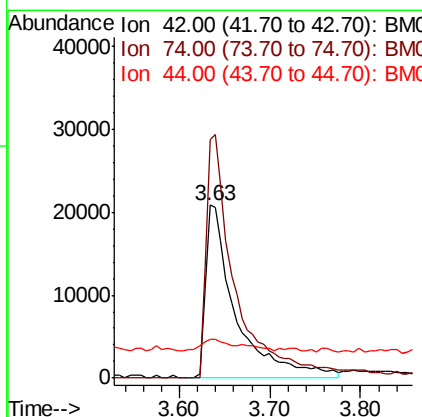
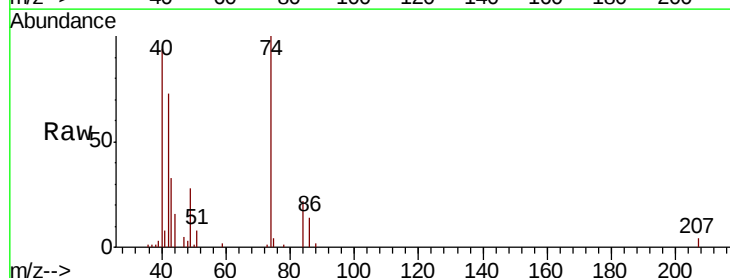
RT: 3.63 min Scan# 110

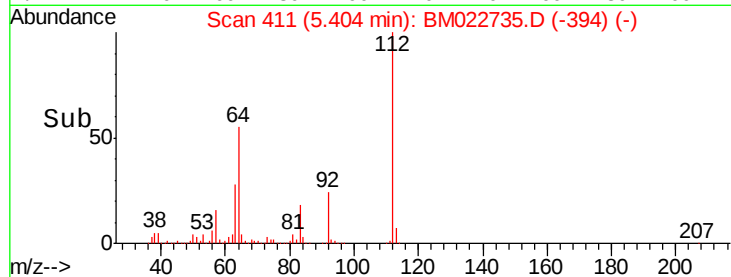
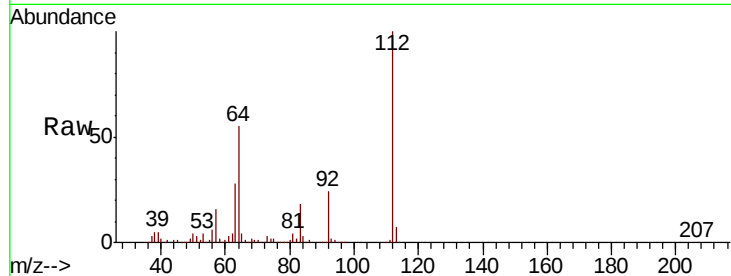
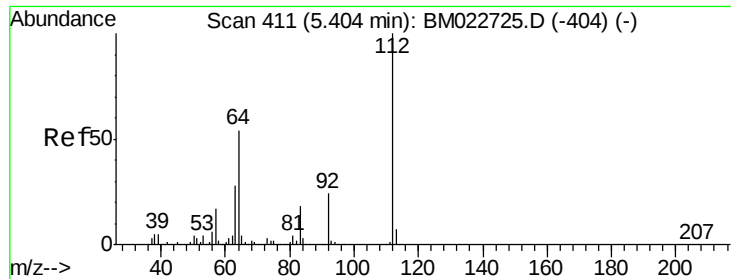
Delta R.T. 0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Tgt Ion:	42	Resp:	48550
Ion Ratio	Lower	Upper	
42	100		
74	137.7	116.6	175.0
44	22.3	8.2	12.4#





#5

2-Fluorophenol

Concen: 115.004 ng

RT: 5.40 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

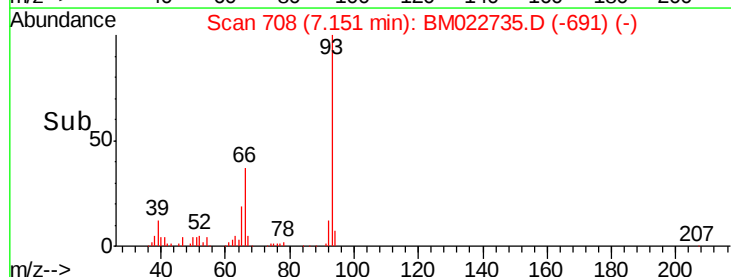
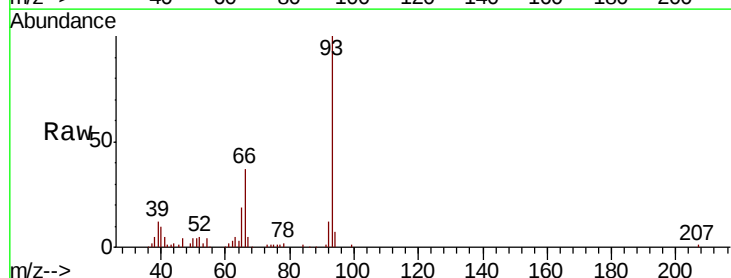
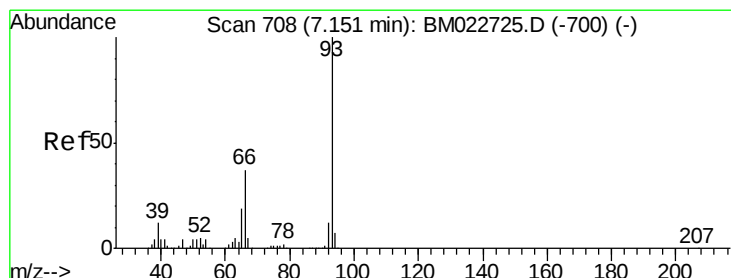
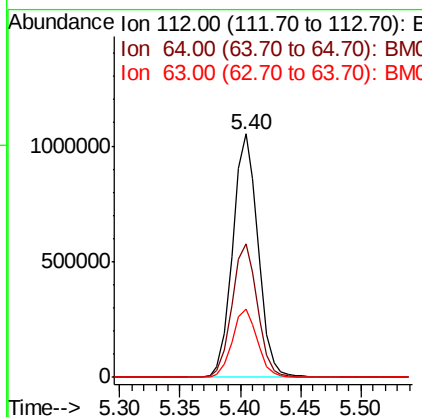
ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:	112	Resp:	1540621
Ion	Ratio	Lower	Upper
112	100		
64	55.0	43.4	65.2
63	28.1	22.1	33.1

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM



#6

Aniline

Concen: 9.684 ng

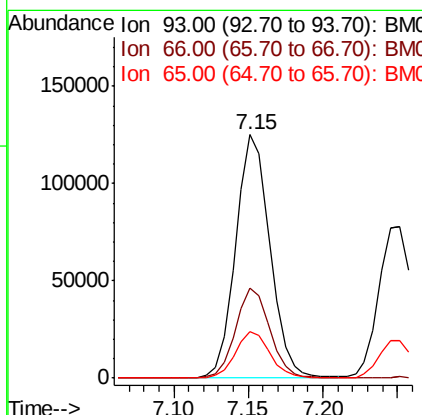
RT: 7.15 min Scan# 708

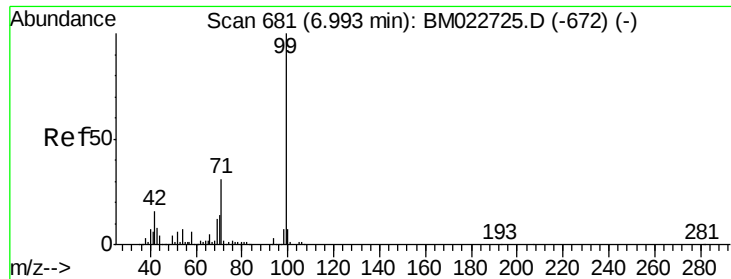
Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Tgt Ion:	93	Resp:	199795
Ion	Ratio	Lower	Upper
93	100		
66	37.2	29.3	43.9
65	19.1	15.3	22.9





#7

Phenol-d6

Concen: 113.657 ng

RT: 6.99 min Scan# 680

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

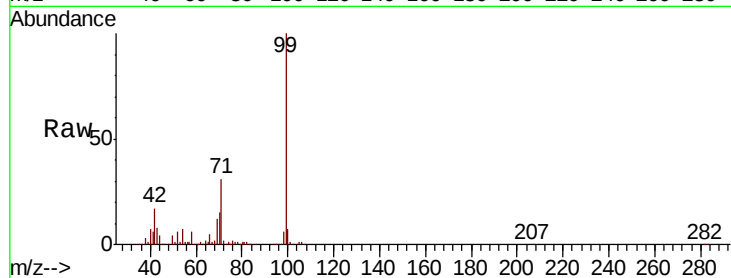
ClientSampleId :

LOQ-SOIL-02-QT3-2019

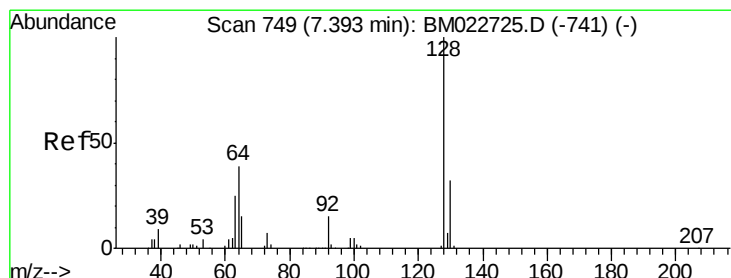
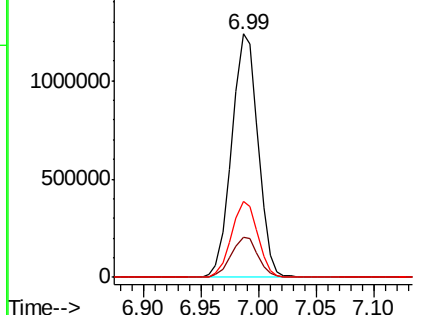
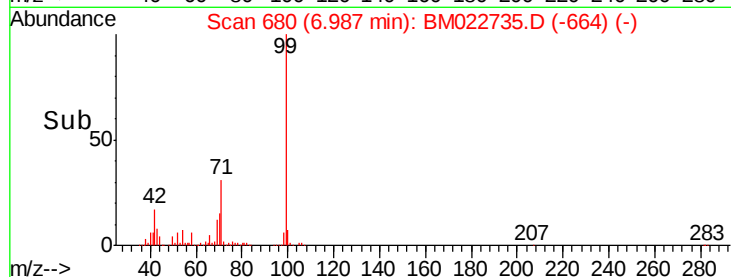
Tot Ion:	99	Resp:	1955581
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.0	19.4
71	31.2	24.7	37.1

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM



Abundance Ion 99.00 (98.70 to 99.70): BM022735.D (-664) (-)



#8

2-Chlorophenol

Concen: 9.999 ng

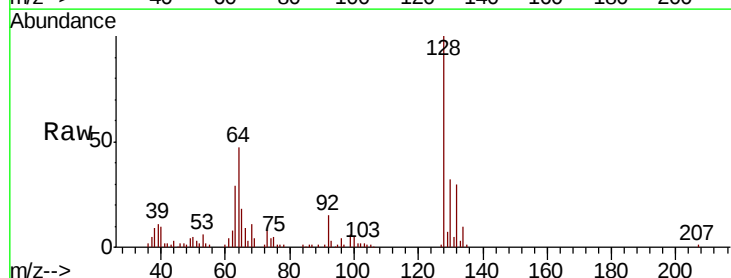
RT: 7.39 min Scan# 748

Delta R.T. -0.01 min

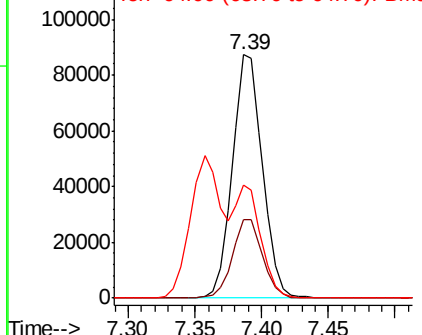
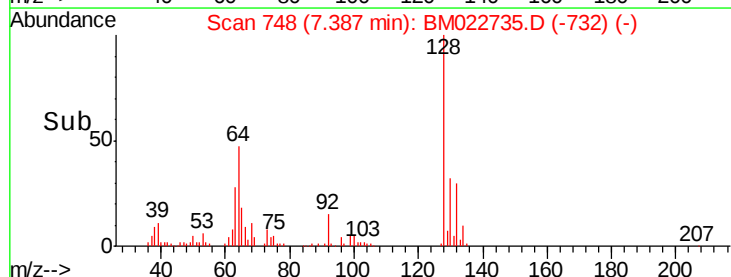
Lab File: BM022735.D

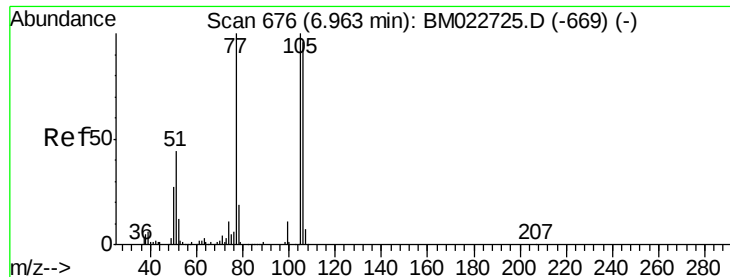
Acq: 20 Sep 2019 20:55

Tgt Ion:	128	Resp:	136478
Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.1	52.1
64	46.7	22.9	62.9



Abundance Ion 128.00 (127.70 to 128.70): BM022735.D (-732) (-)





#9

Benzaldehyde

Concen: 11.752 ng

RT: 6.96 min Scan# 676

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

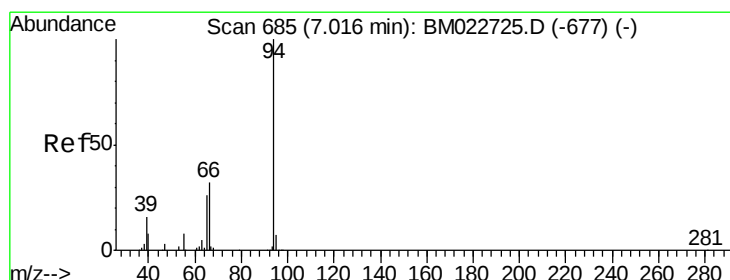
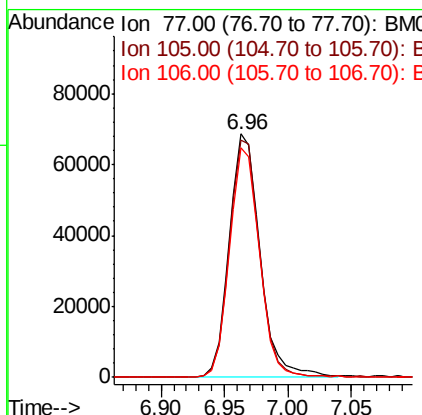
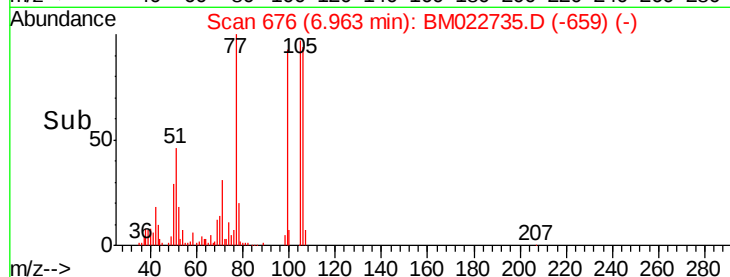
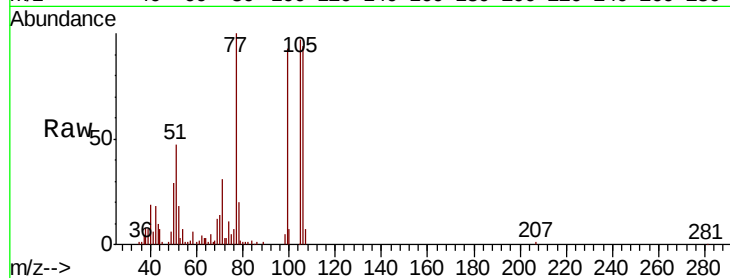
ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:	77	Resp:	115140
Ion	Ratio	Lower	Upper
77	100		
105	97.5	79.6	119.6
106	94.3	76.3	116.3

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM



#10

Phenol

Concen: 9.984 ng

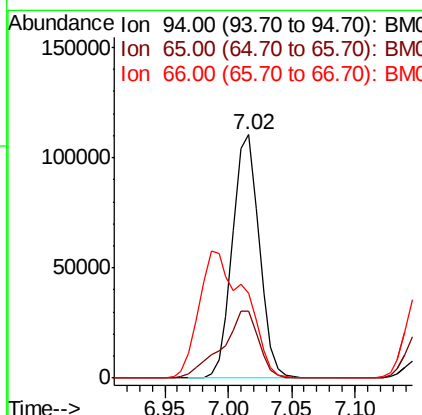
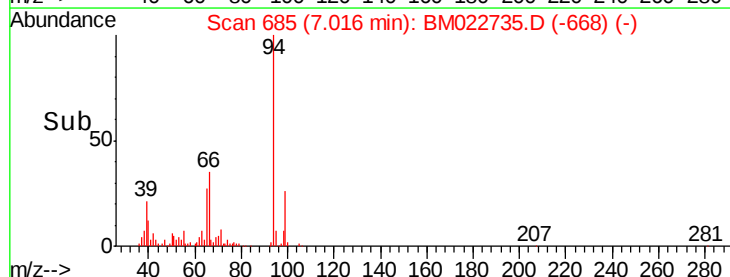
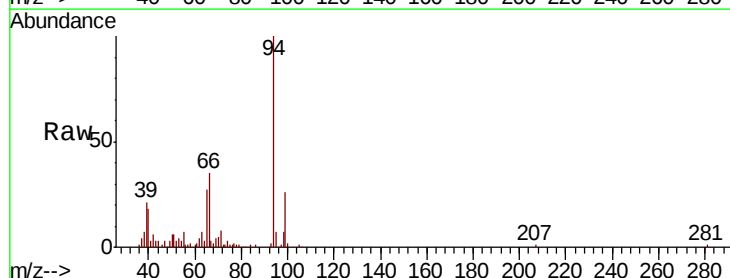
RT: 7.02 min Scan# 685

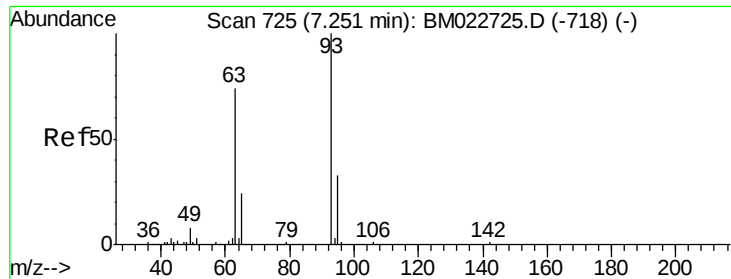
Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Tgt Ion:	94	Resp:	161728
Ion	Ratio	Lower	Upper
94	100		
65	27.3	6.7	46.7
66	34.8	13.8	53.8





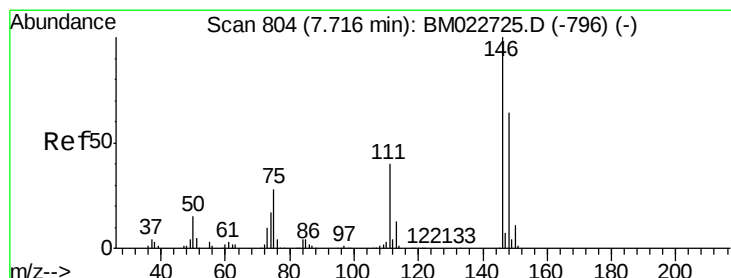
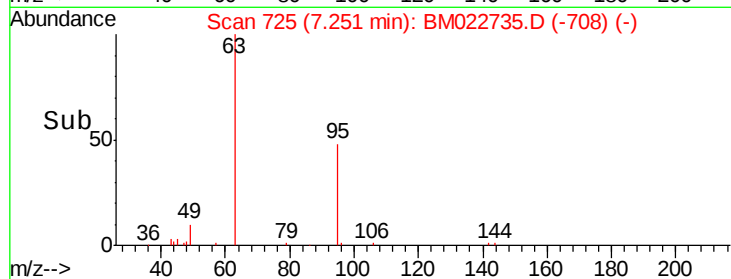
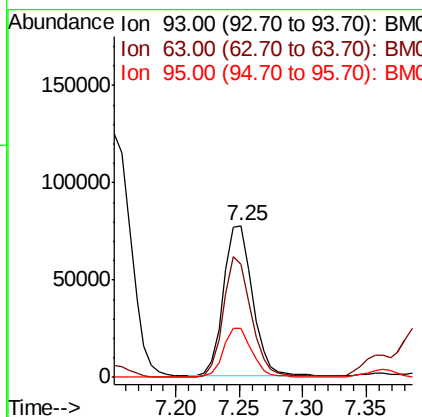
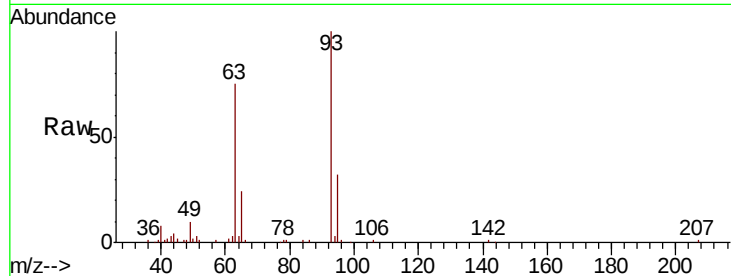
#11
bis(2-Chloroethyl)ether
Concen: 9.679 ng
RT: 7.25 min Scan# 725
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
93	100	123188		
63	74.9	53.8	93.8	
95	32.3	12.7	52.7	

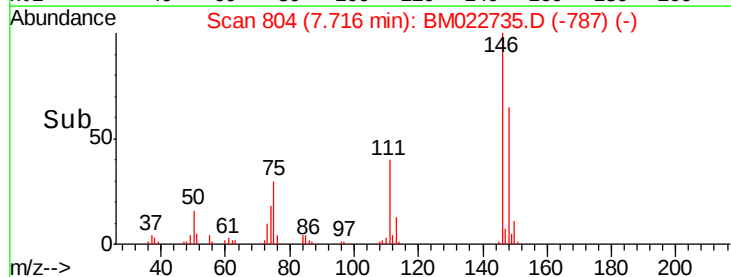
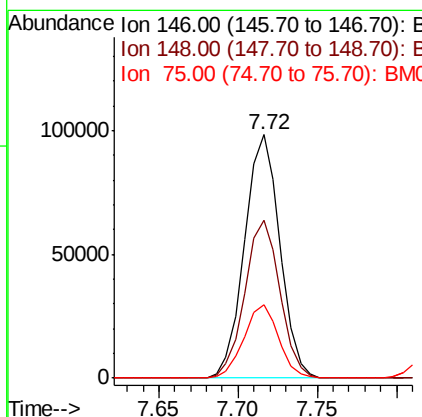
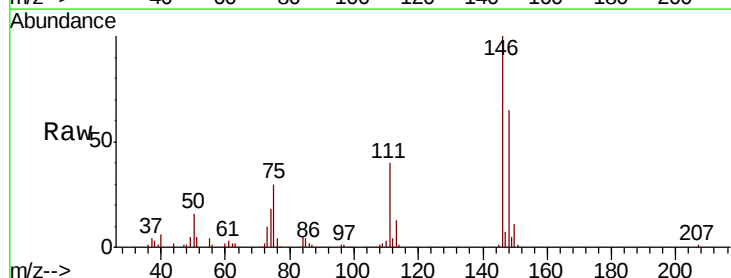
Manual Integrations
APPROVED

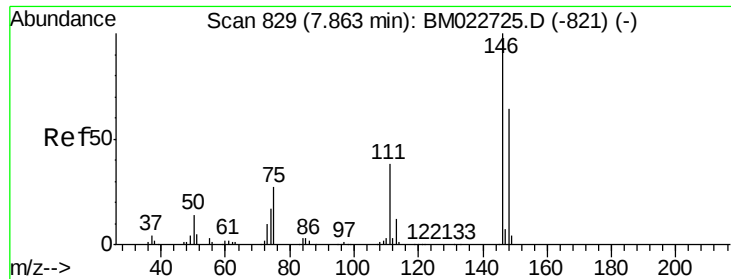
mohammad
9/24/2019 8:34:54 AM



#12
1,3-Dichlorobenzene
Concen: 9.362 ng
RT: 7.72 min Scan# 804
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	152716		
148	64.7	51.3	76.9	
75	30.1	22.5	33.7	





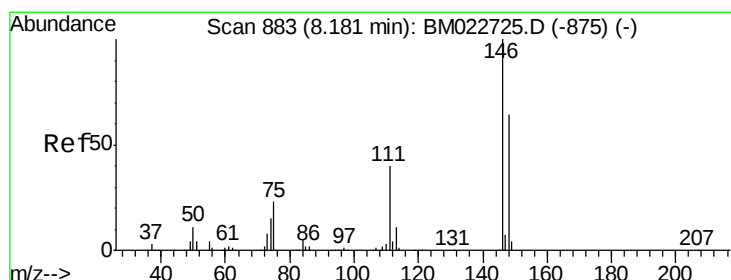
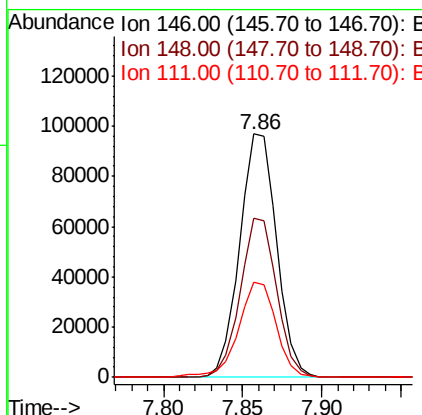
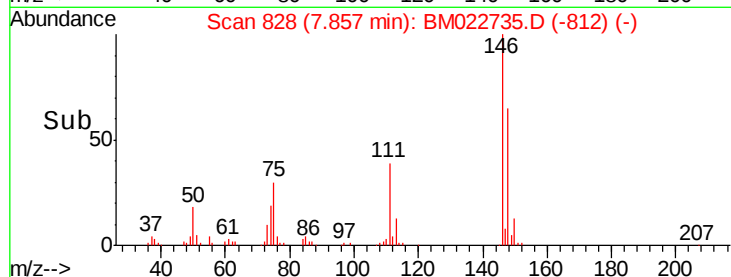
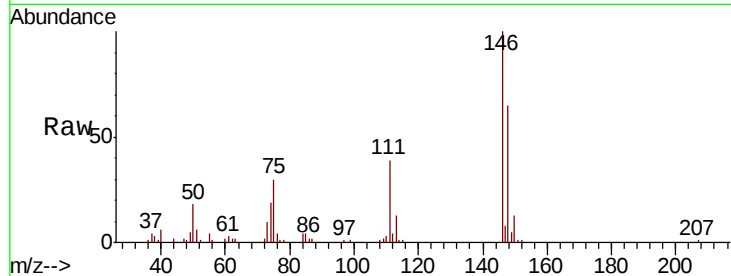
#13
 1,4-Dichlorobenzene
 Concen: 9.495 ng
 RT: 7.86 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.4	77.0
111	39.2	30.9	46.3

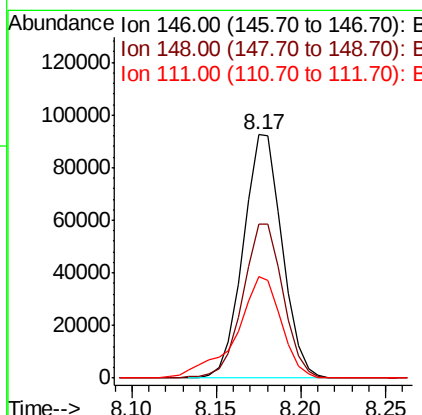
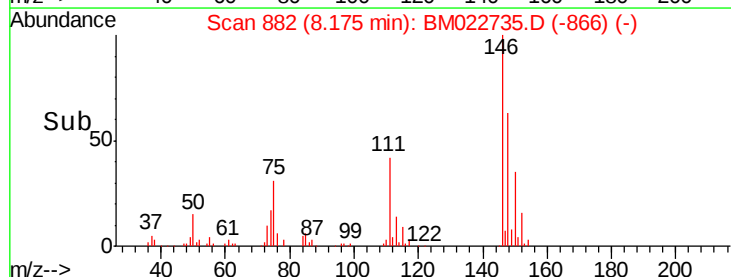
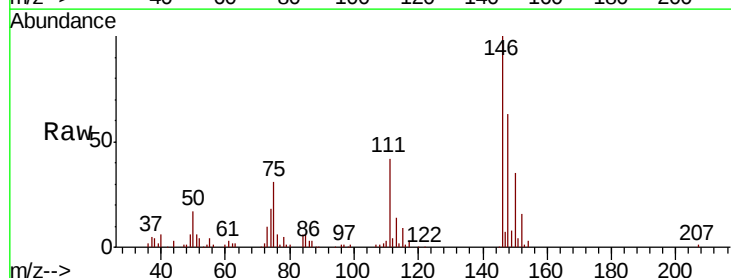
Manual Integrations
 APPROVED

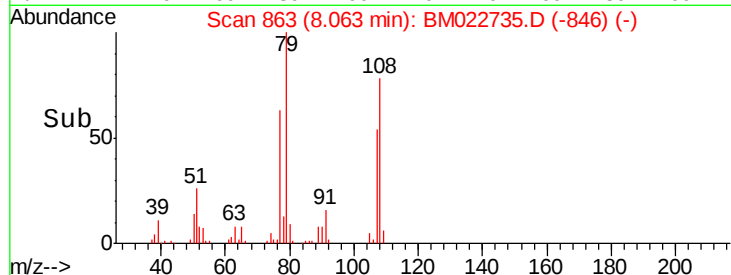
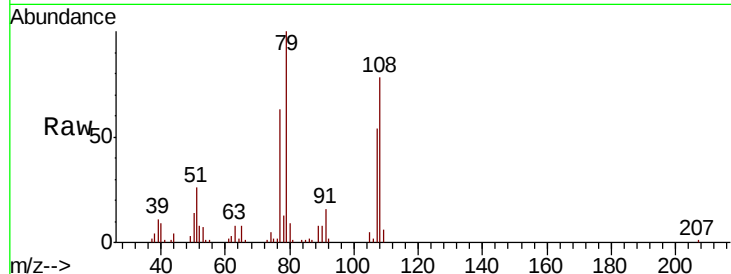
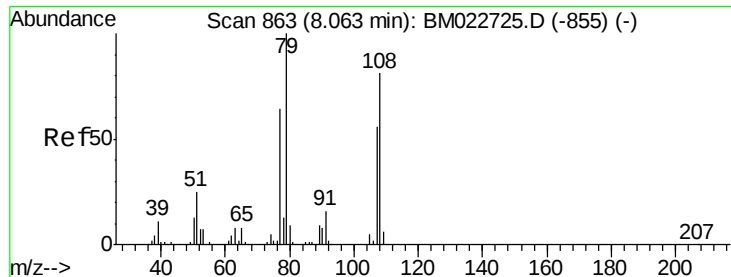
mohammad
 9/24/2019 8:34:54 AM



#14
 1,2-Dichlorobenzene
 Concen: 9.384 ng
 RT: 8.17 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.3	76.9
111	41.7	32.3	48.5





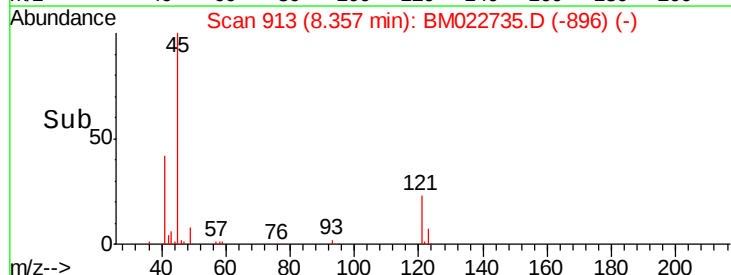
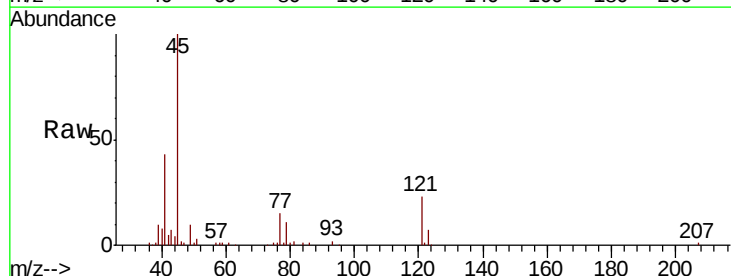
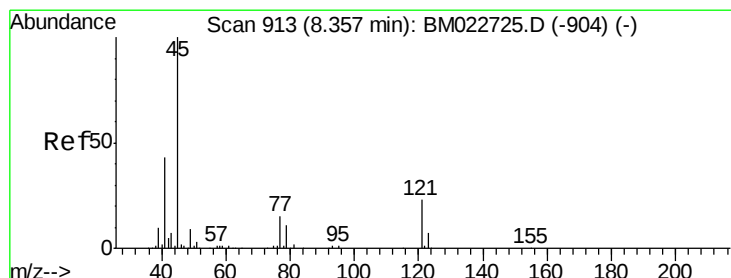
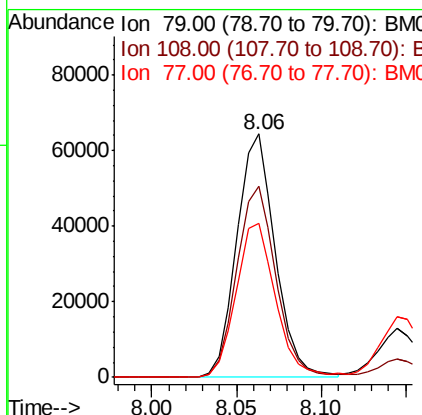
#15
Benzyl Alcohol
Concen: 9.476 ng
RT: 8.06 min Scan# 863
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tot Ion:	79	Resp:	102021
Ion Ratio	Lower	Upper	
79	100		
108	78.3	64.9	97.3
77	63.1	51.1	76.7

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

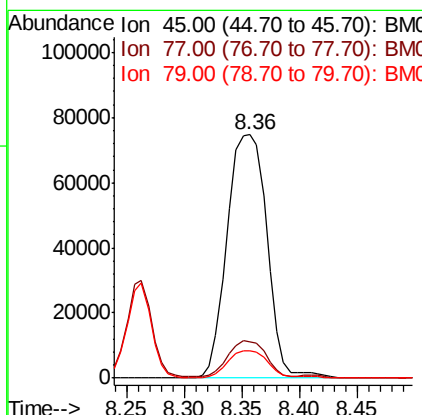
Manual Integrations
APPROVED

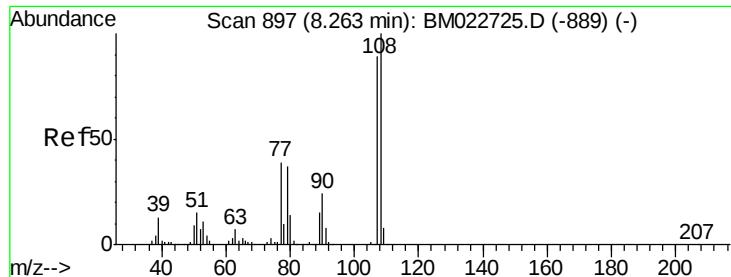
mohammad
9/24/2019 8:34:54 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.693 ng
RT: 8.36 min Scan# 913
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion:	45	Resp:	179196
Ion Ratio	Lower	Upper	
45	100		
77	15.1	0.0	35.1
79	11.1	0.0	31.4





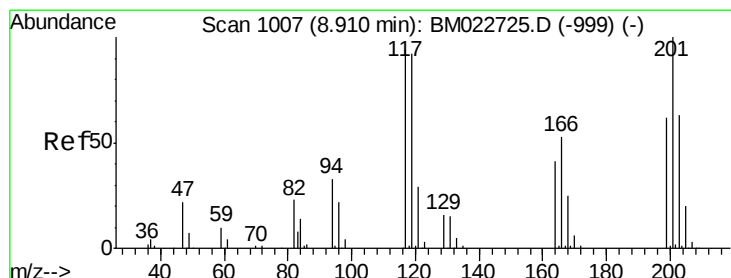
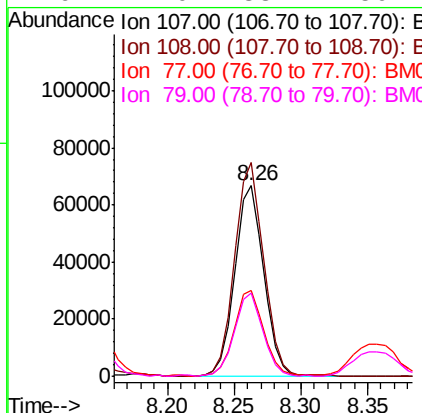
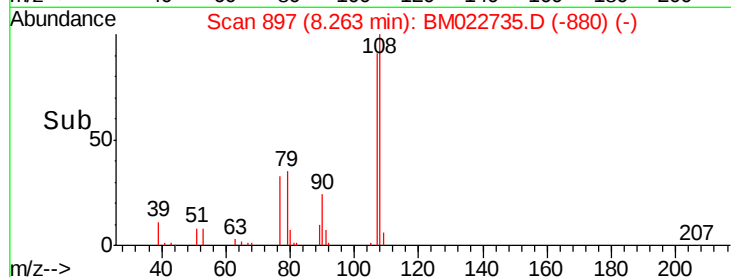
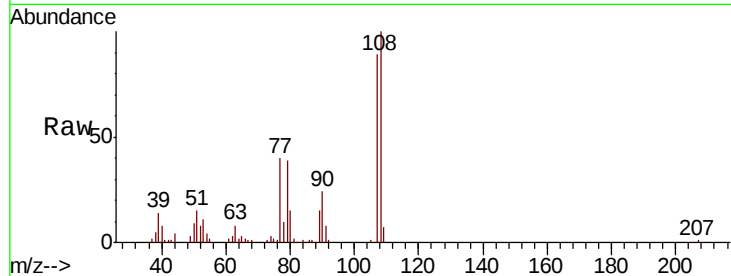
#17
2-Methylphenol
Concen: 9.430 ng
RT: 8.26 min Scan# 897
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.2	90.0	135.0	
77	45.2	35.2	52.8	
79	44.0	33.4	50.2	

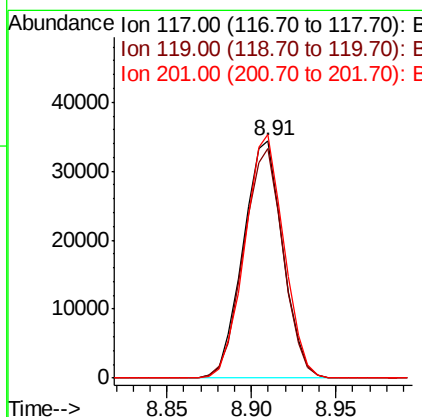
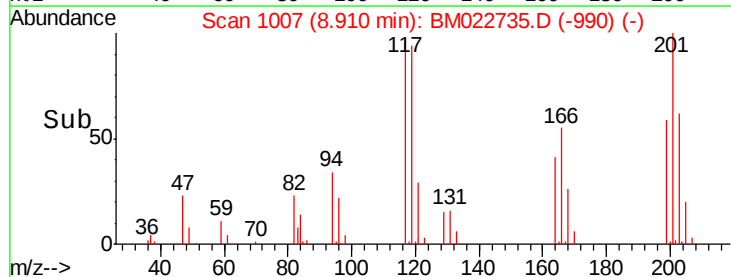
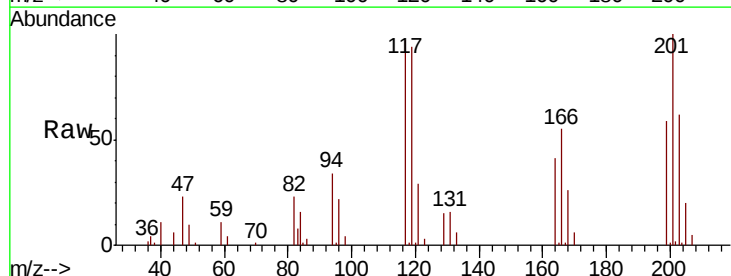
Manual Integrations
APPROVED

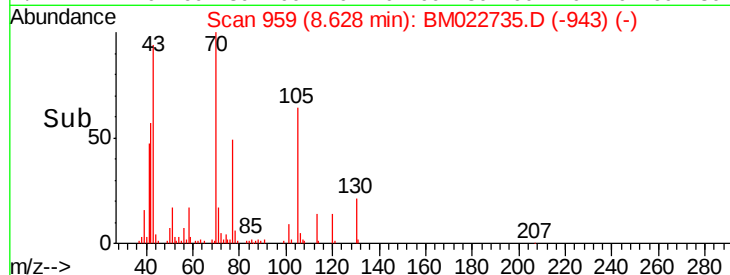
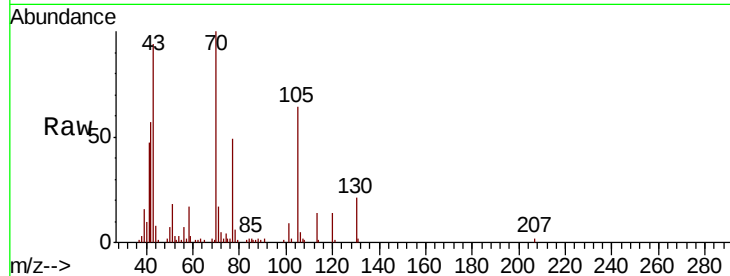
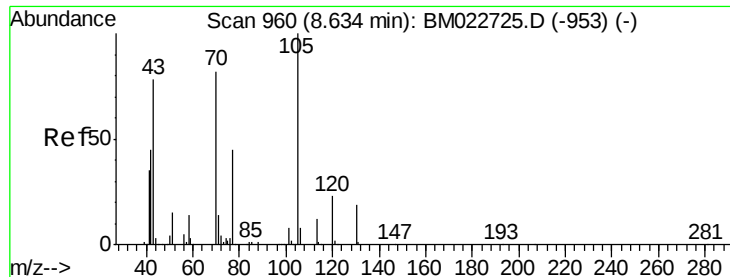
mohammad
9/24/2019 8:34:54 AM



#18
Hexachloroethane
Concen: 9.291 ng
RT: 8.91 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.5	78.0	117.0	
201	102.6	85.0	127.6	





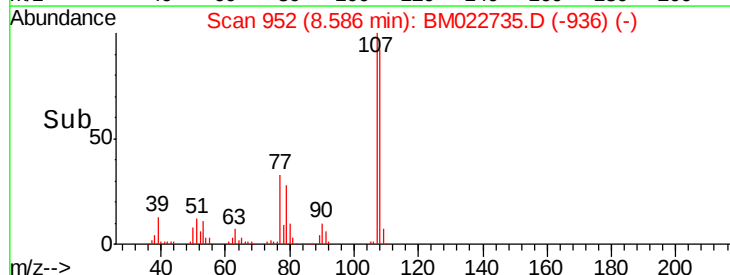
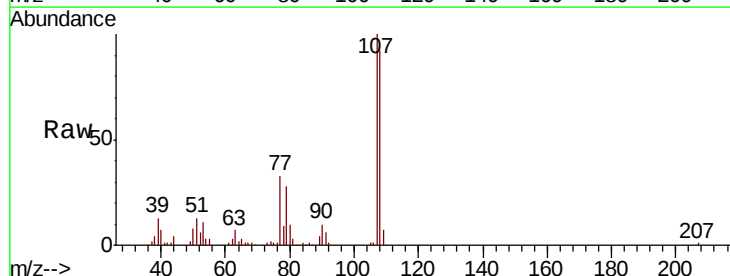
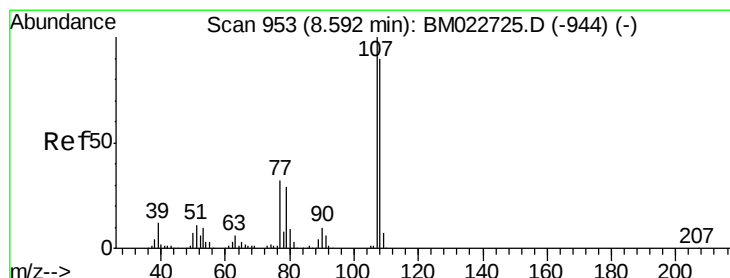
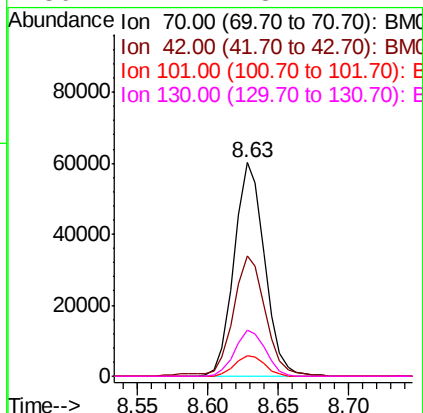
#19
n-Nitroso-di-n-propylamine
Concen: 9.466 ng
RT: 8.63 min Scan# 959
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	56.5	44.4	66.6		
101	9.5	7.8	11.6		
130	21.4	18.2	27.4		

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

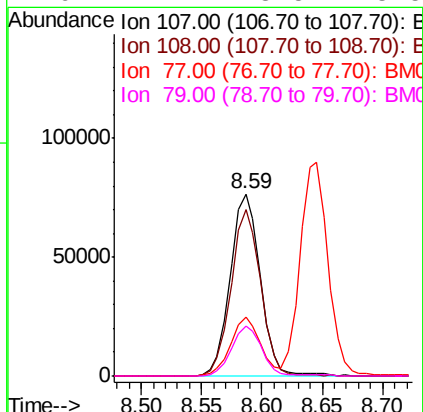
Manual Integrations
APPROVED

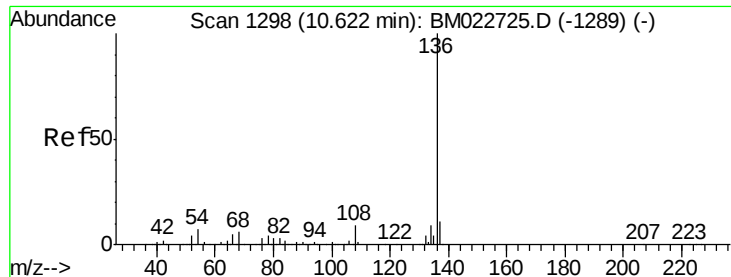
mohammad
9/24/2019 8:34:54 AM



#20
3+4-Methylphenols
Concen: 9.335 ng
RT: 8.59 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	91.8	70.1	110.1		
77	32.6	12.1	52.1		
79	27.7	8.5	48.5		





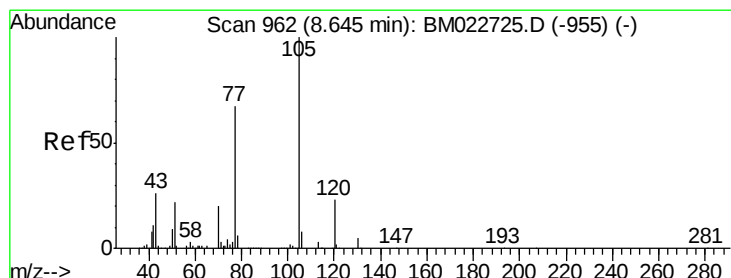
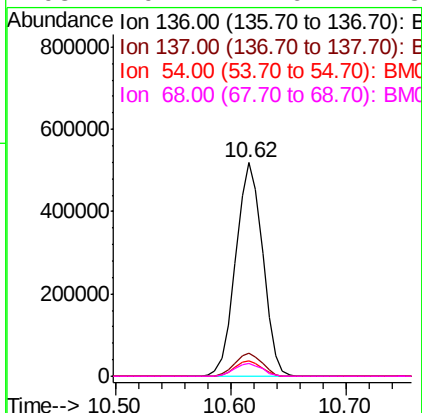
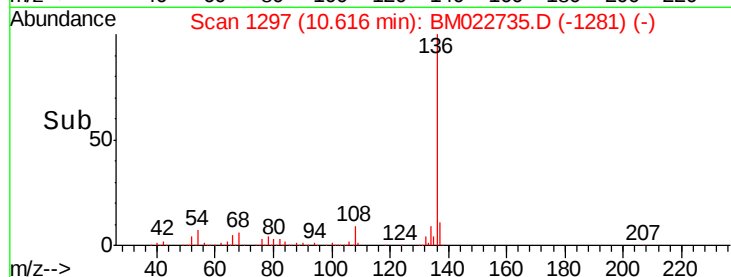
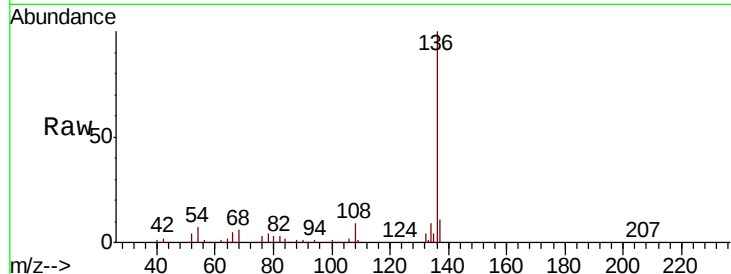
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
136	100	839763		
137	10.9	8.6	13.0	
54	7.4	6.0	9.0	
68	6.1	4.9	7.3	

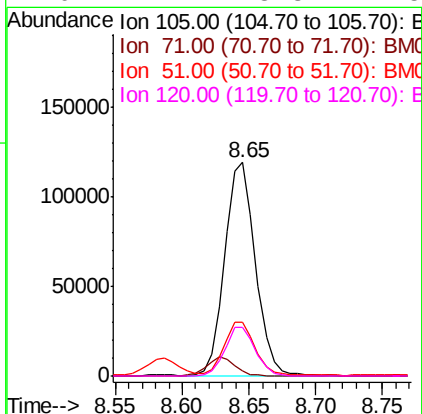
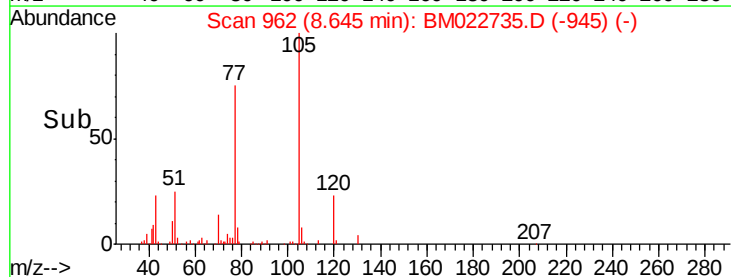
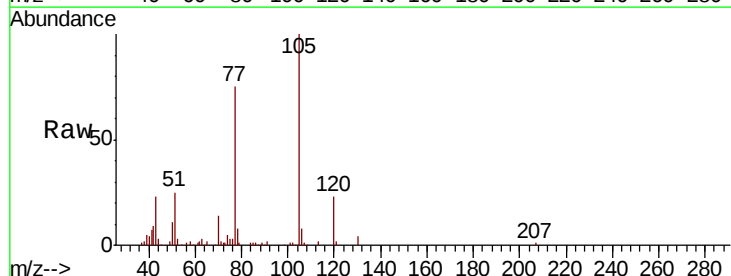
Manual Integrations
APPROVED

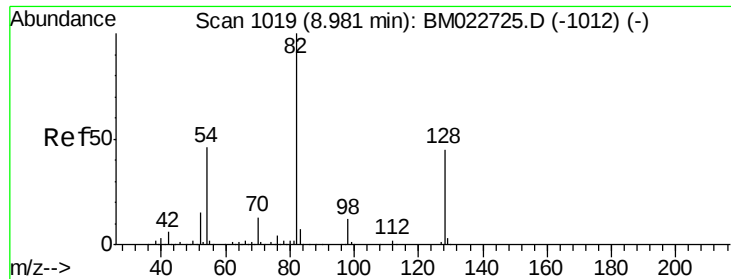
mohammad
9/24/2019 8:34:54 AM



#22
Acetophenone
Concen: 9.284 ng
RT: 8.65 min Scan# 962
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	192455		
71	2.3	2.7	4.1#	
51	24.9	19.9	29.9	
120	22.7	18.3	27.5	





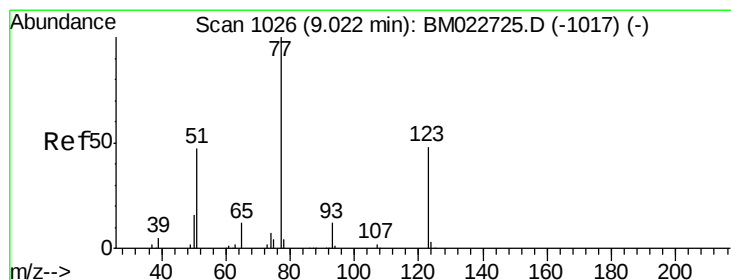
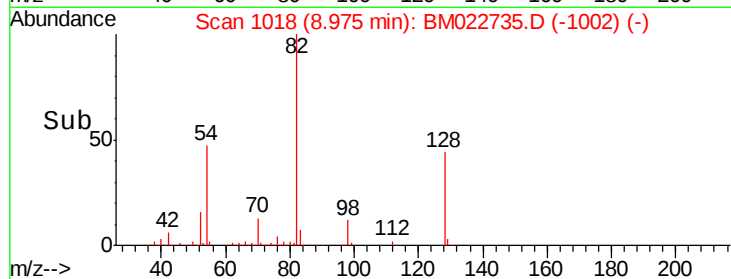
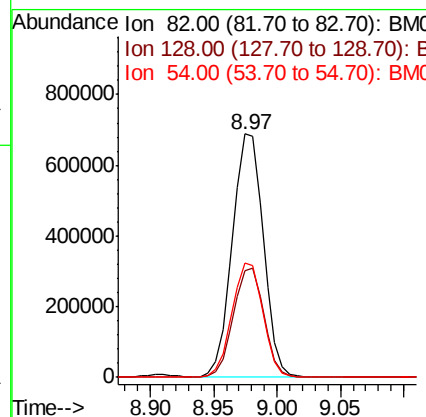
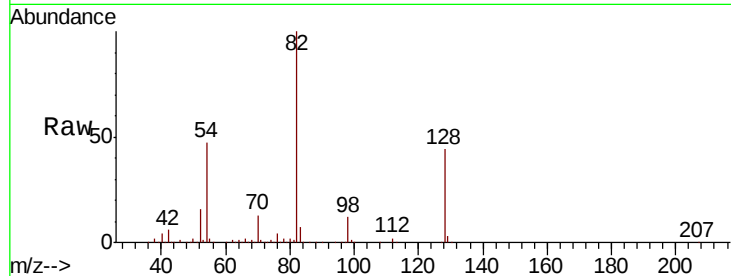
#23
Nitrobenzene-d5
Concen: 76.901 ng
RT: 8.97 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.0	54.0
54	47.1	37.1	55.7

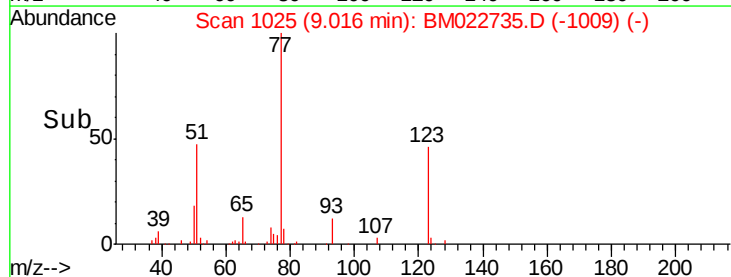
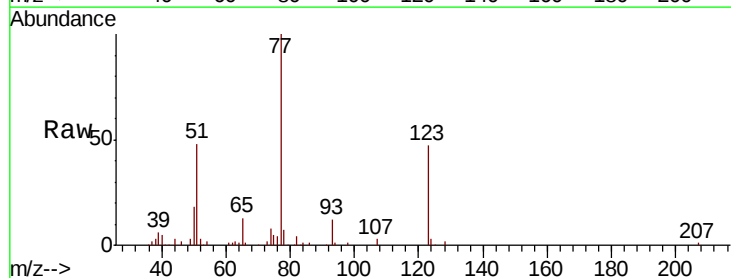
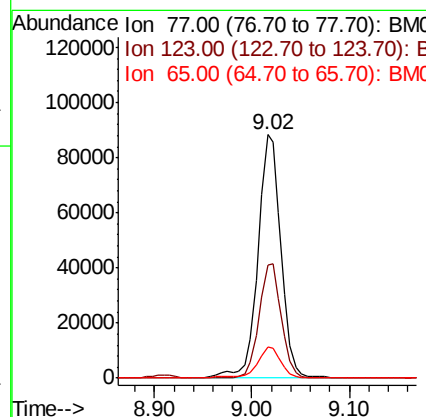
Manual Integrations
APPROVED

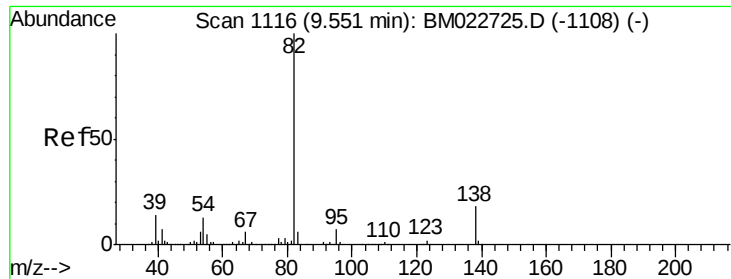
mohammad
9/24/2019 8:34:54 AM



#24
Nitrobenzene
Concen: 10.153 ng
RT: 9.02 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.5	38.0	57.0
65	12.9	10.0	15.0





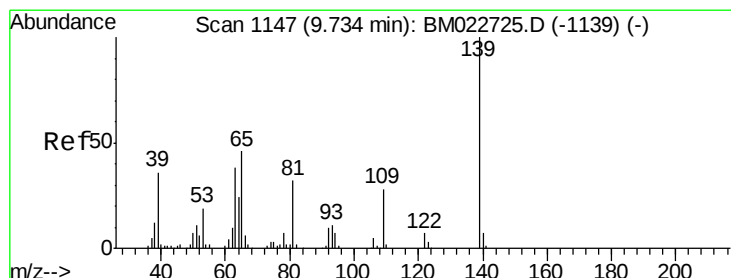
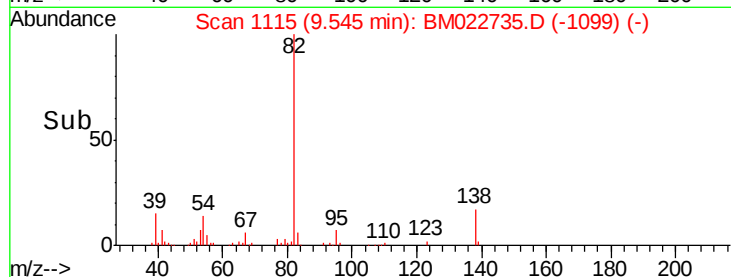
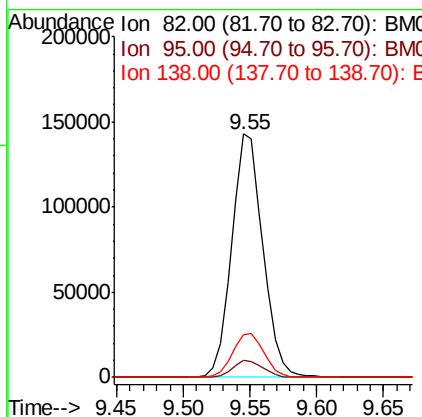
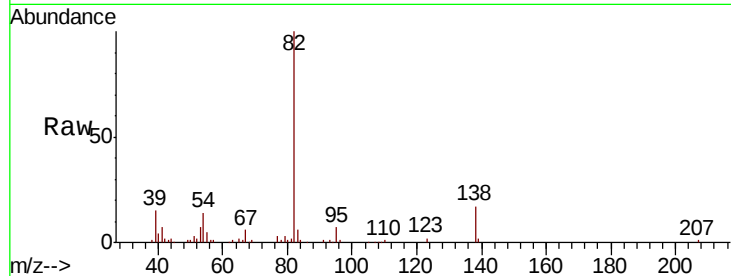
#25
Isophorone
Concen: 9.325 ng
RT: 9.55 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
82	100	231950		
95	6.8		5.4	8.0
138	17.5		14.7	22.1

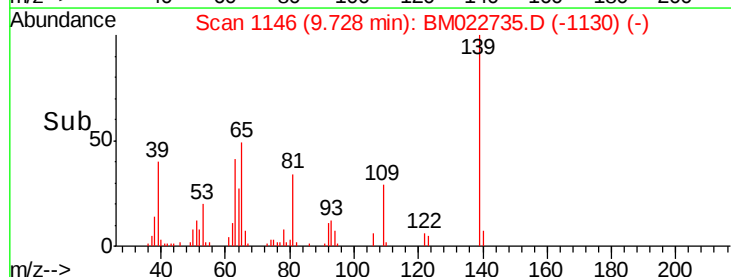
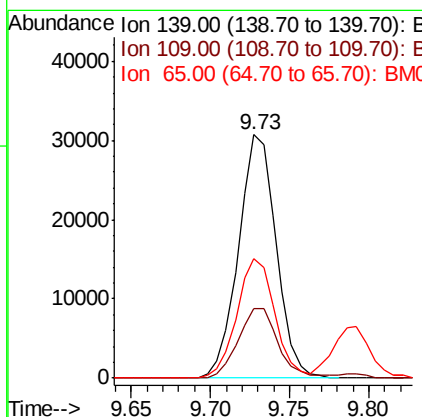
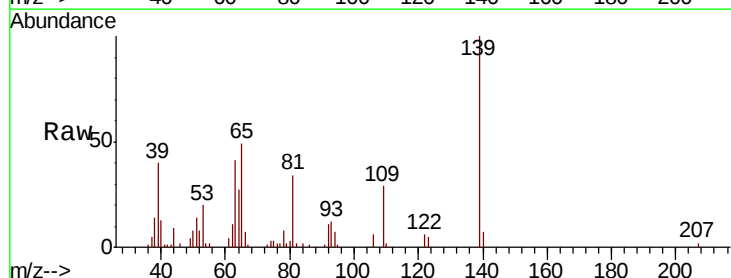
Manual Integrations
APPROVED

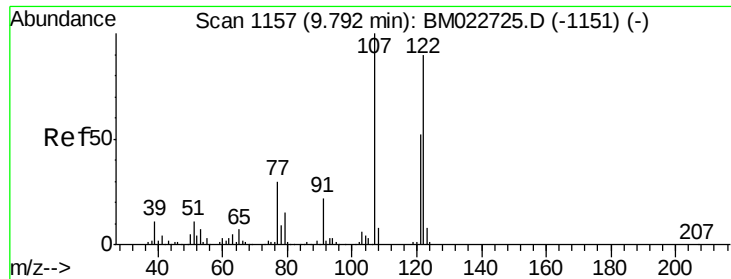
mohammad
9/24/2019 8:34:54 AM



#26
2-Nitrophenol
Concen: 8.113 ng
RT: 9.73 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	50697		
109	28.7		22.6	33.8
65	49.3		37.0	55.4





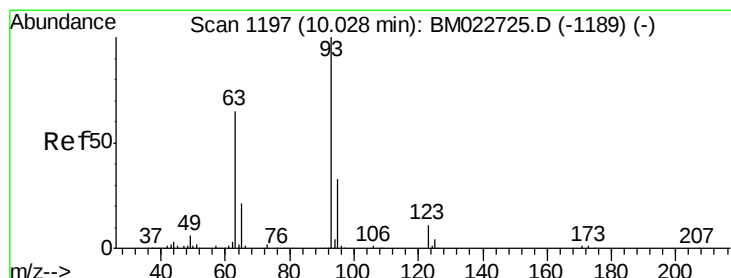
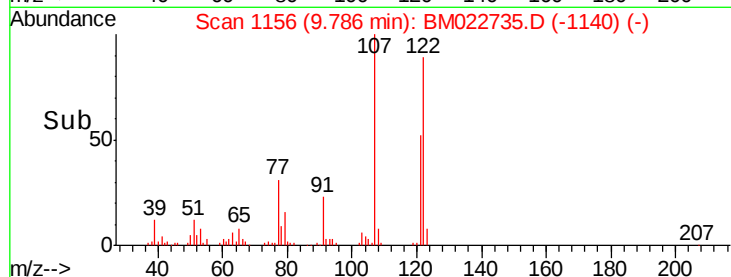
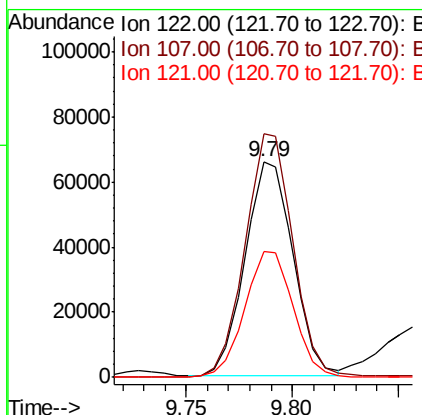
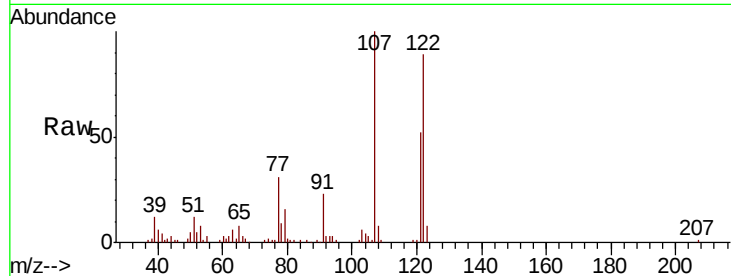
#27
2,4-Dimethylphenol
Concen: 9.979 ng
RT: 9.79 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
122	100	104389		
107	112.7	88.9	133.3	
121	58.3	46.5	69.7	

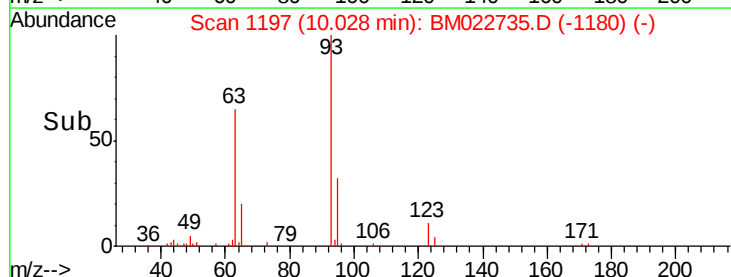
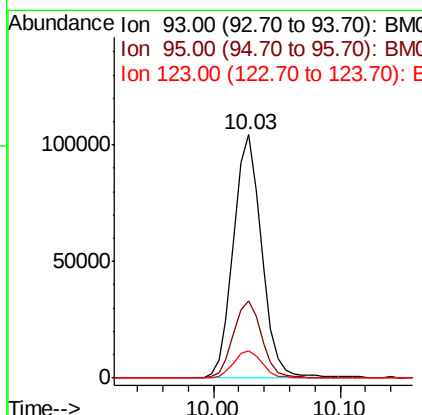
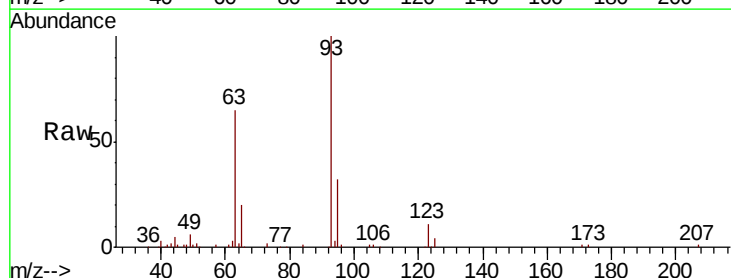
Manual Integrations
APPROVED

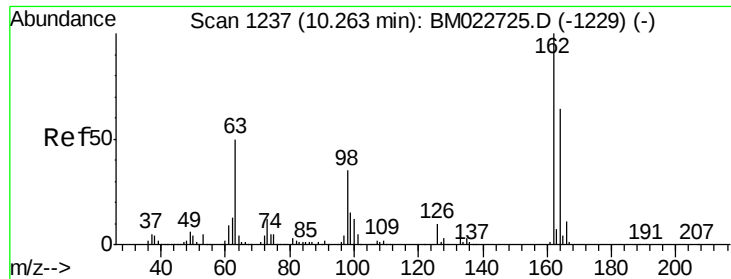
mohammad
9/24/2019 8:34:54 AM



#28
bis(2-Chloroethoxy)methane
Concen: 9.356 ng
RT: 10.03 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	161047		
95	31.6	26.0	39.0	
123	11.4	9.0	13.6	





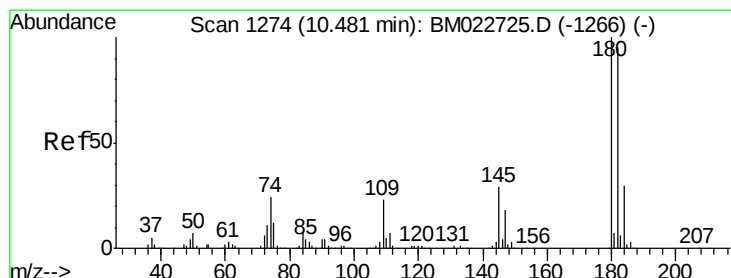
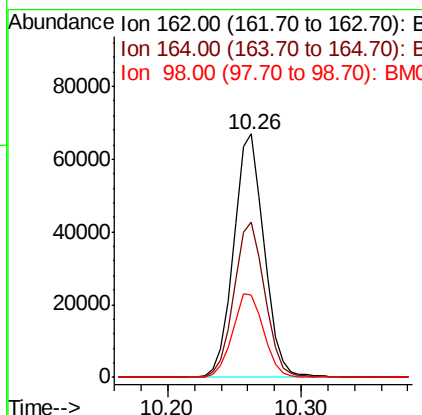
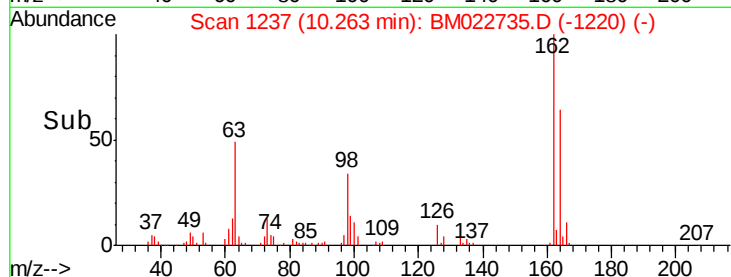
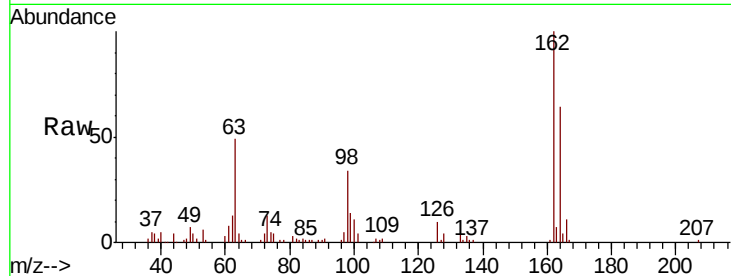
#29
2,4-Dichlorophenol
Concen: 8.972 ng
RT: 10.26 min Scan# 1237
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
162	100	106109		
164	64.0		44.4	84.4
98	33.7		14.8	54.8

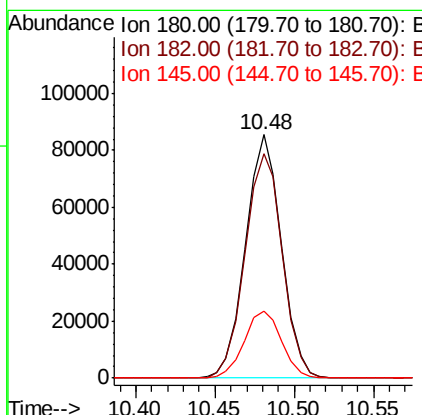
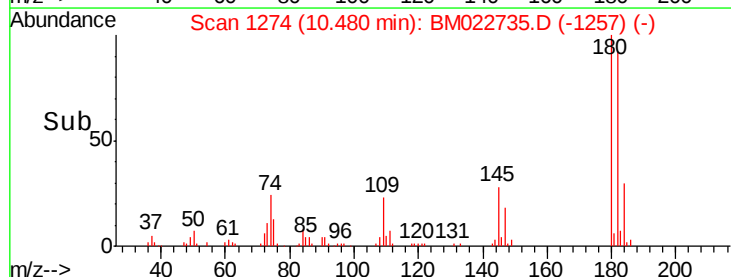
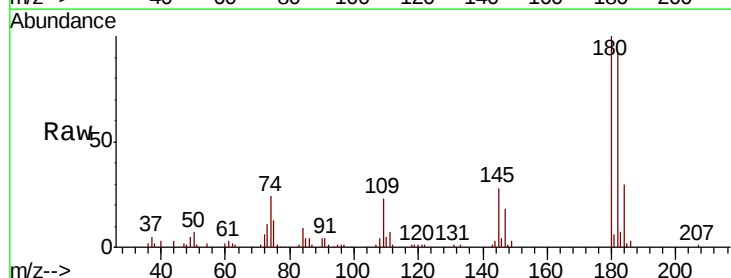
Manual Integrations
APPROVED

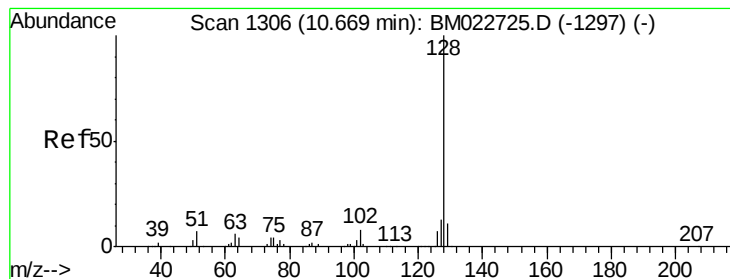
mohammad
9/24/2019 8:34:54 AM



#30
1,2,4-Trichlorobenzene
Concen: 9.220 ng
RT: 10.48 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134159		
182	92.4		76.2	114.2
145	27.7		23.0	34.4





#31

Naphthalene

Concen: 9.814 ng

RT: 10.67 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

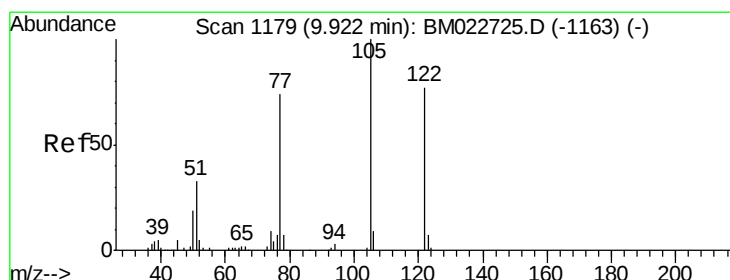
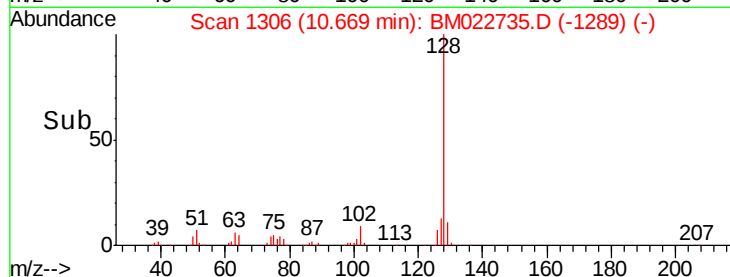
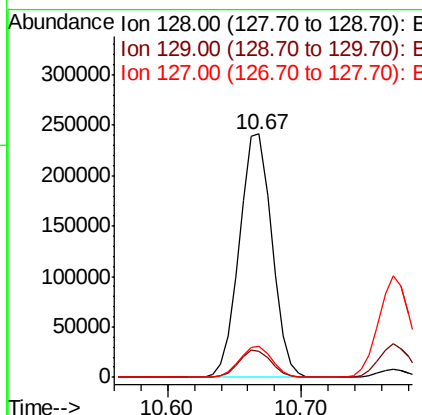
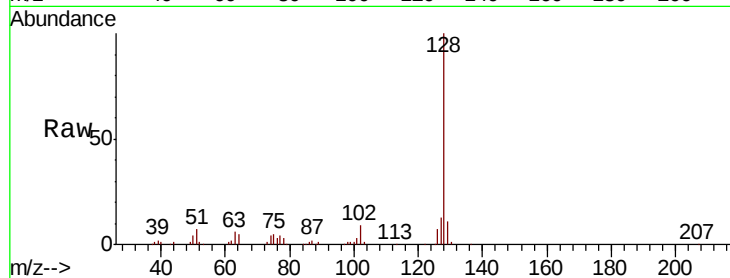
ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:	128	Resp:	407211
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	12.8	10.2	15.4

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM



#32

Benzoic acid

Concen: 5.282 ng m

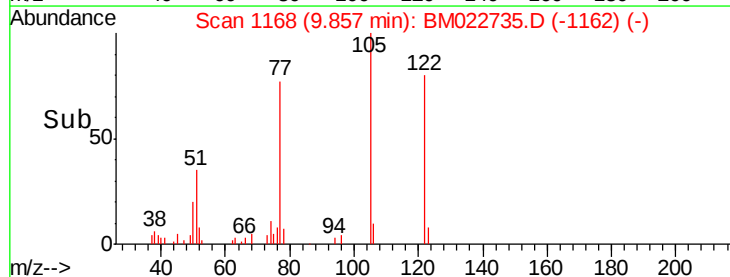
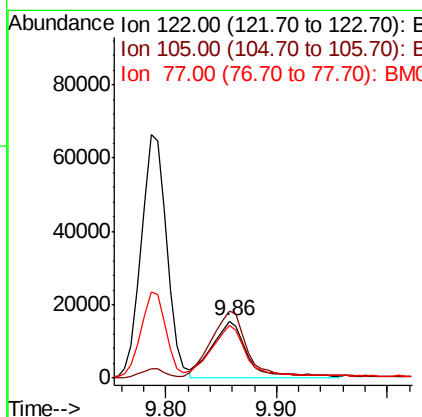
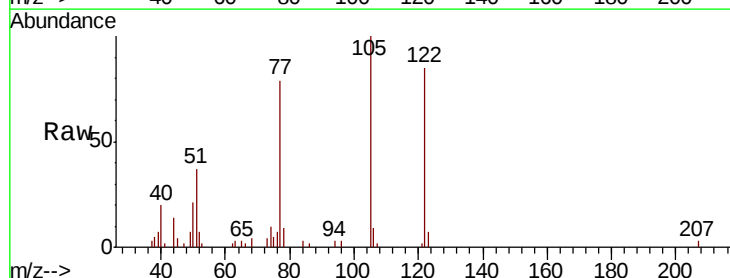
RT: 9.86 min Scan# 1168

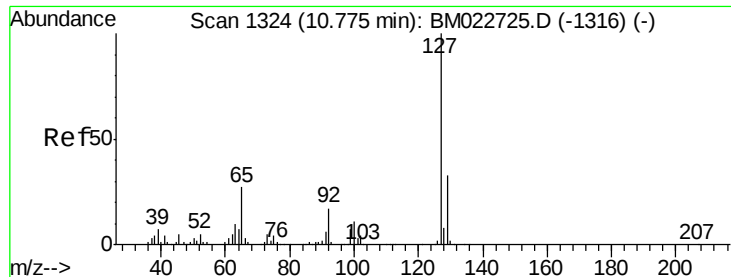
Delta R.T. -0.06 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Tgt Ion:	122	Resp:	35565
Ion Ratio	Lower	Upper	
122	100		
105	117.1	105.3	145.3
77	92.7	74.7	114.7





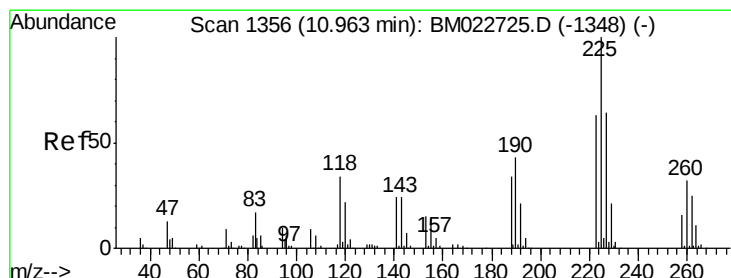
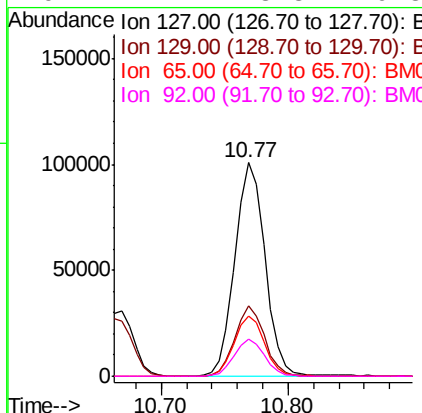
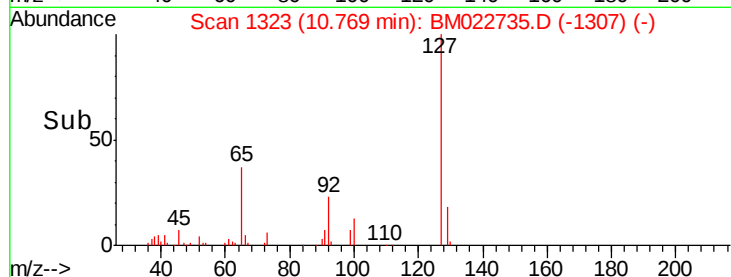
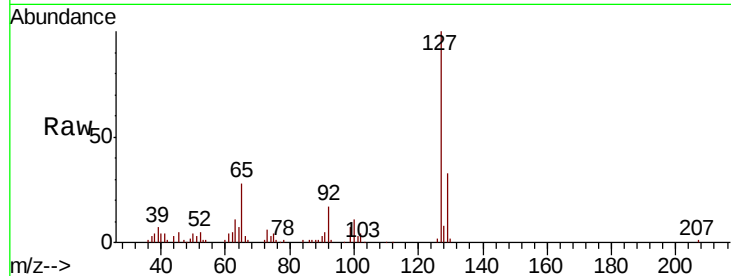
#33
4-Chloroaniline
Concen: 9.268 ng
RT: 10.77 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.1	26.1	39.1	
65	28.2	22.0	33.0	
92	17.4	13.8	20.8	

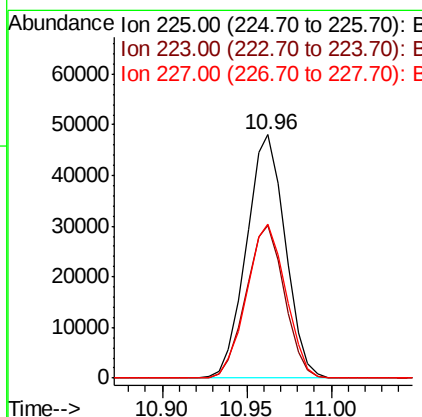
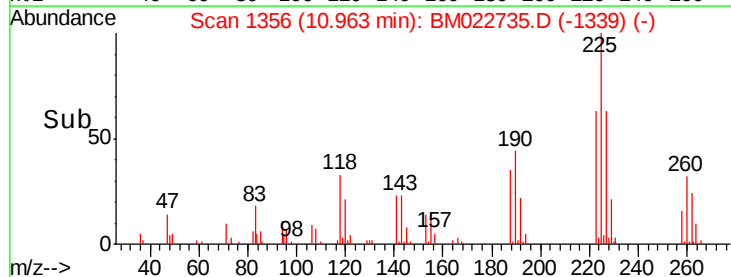
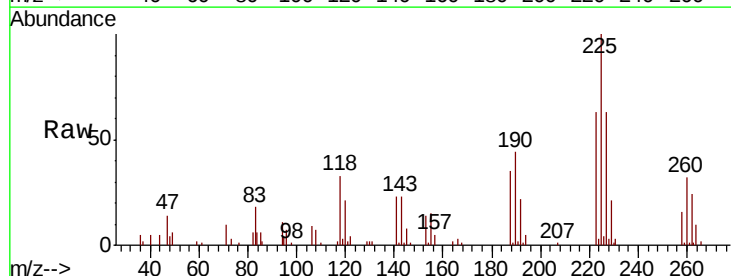
Manual Integrations
APPROVED

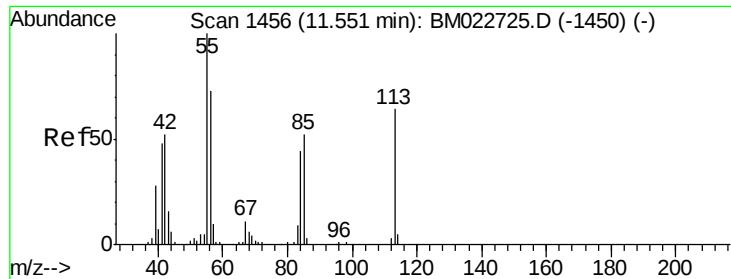
mohammad
9/24/2019 8:34:54 AM



#34
Hexachlorobutadiene
Concen: 8.853 ng
RT: 10.96 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	50.2	75.4	
227	63.2	51.0	76.4	





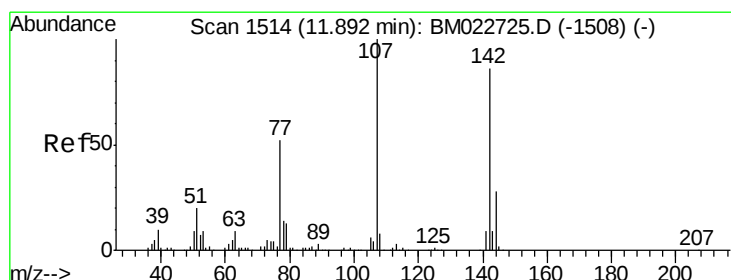
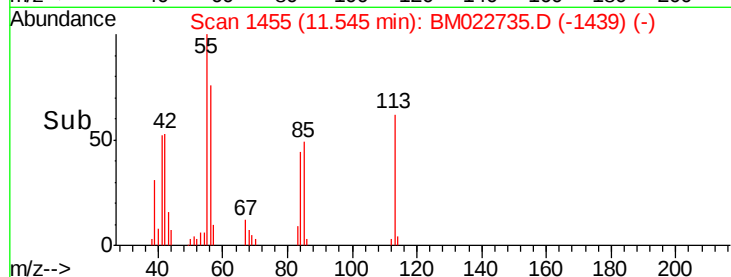
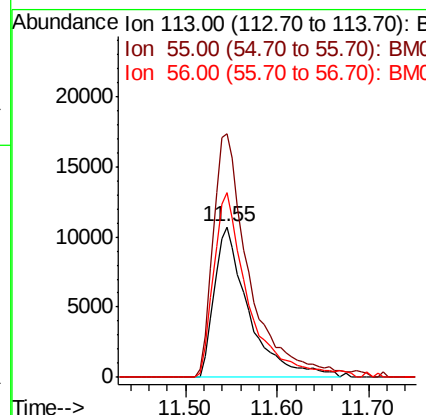
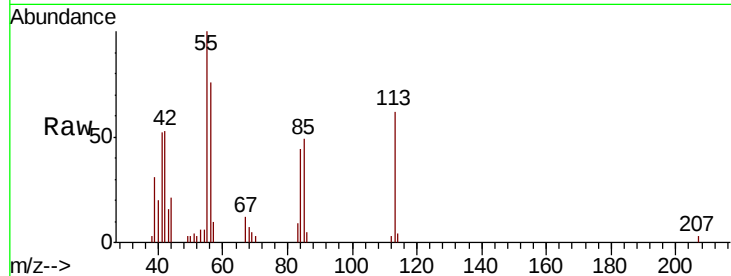
#35
 Caprolactam
 Concen: 8.023 ng/ml
 RT: 11.55 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
113	100	28130		
55	161.6		136.8	176.8
56	122.3		95.2	135.2

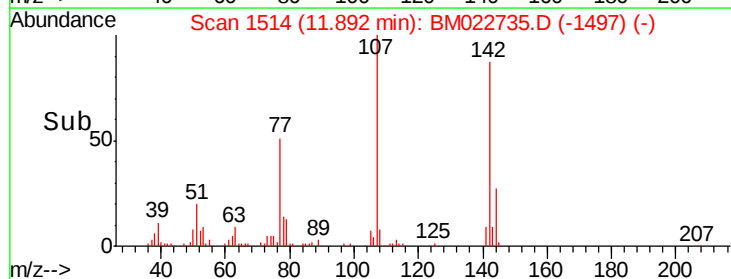
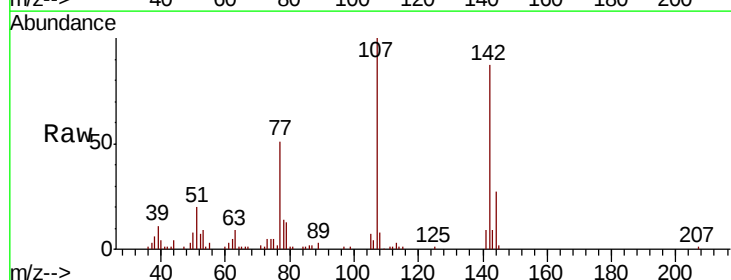
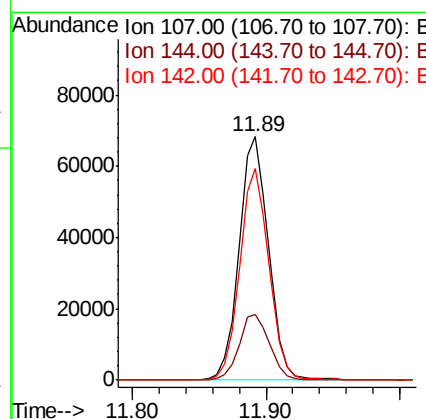
Manual Integrations
 APPROVED

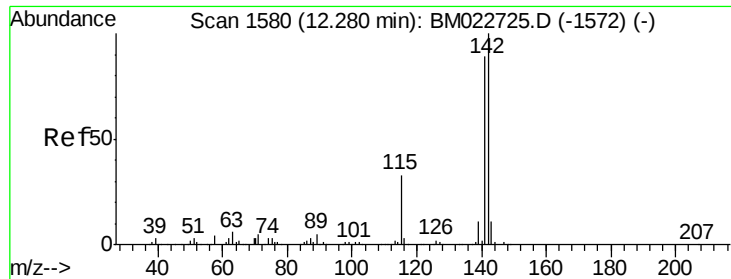
mohammad
 9/24/2019 8:34:54 AM



#36
 4-Chloro-3-methylphenol
 Concen: 9.039 ng/ml
 RT: 11.89 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	104296		
144	27.0		22.4	33.6
142	87.1		68.2	102.4





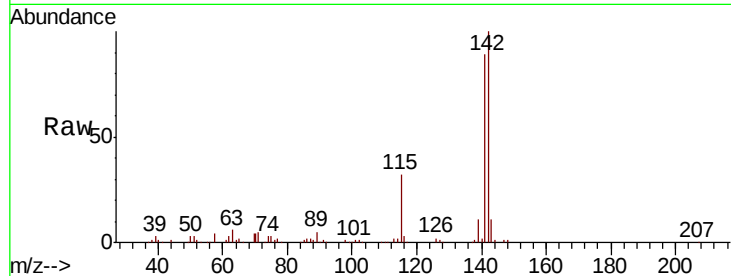
#37
2-Methylnaphthalene
Concen: 9.641 ng
RT: 12.28 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.5	107.3
115	32.2	26.1	39.1

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM

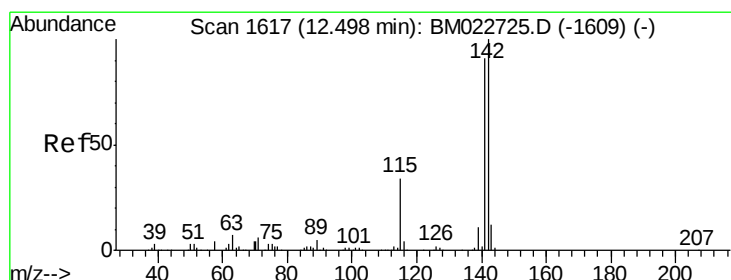
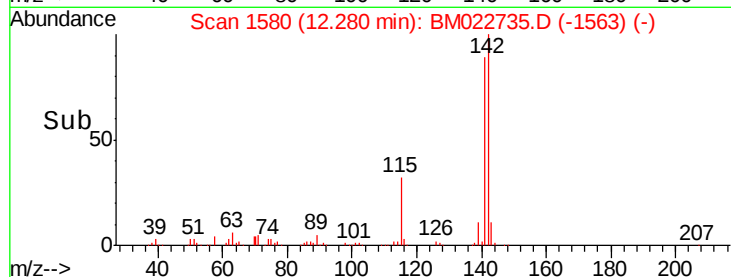
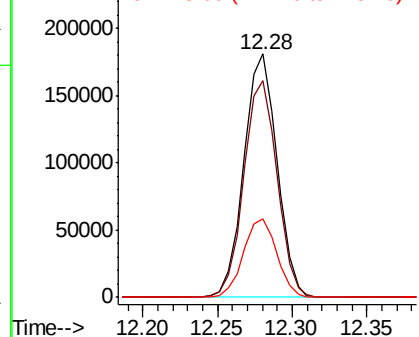


Abundance

Ion 142.00 (141.70 to 142.70): E

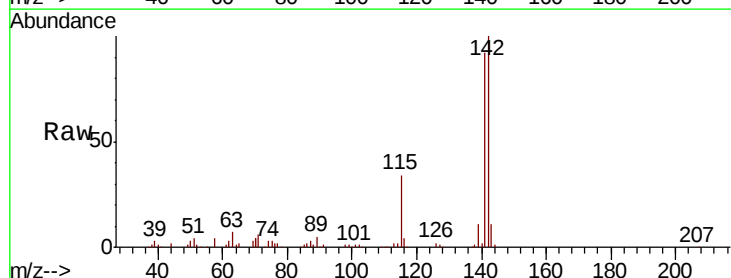
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 9.520 ng
RT: 12.50 min Scan# 1617
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.0	109.4
116	3.7	2.9	4.3

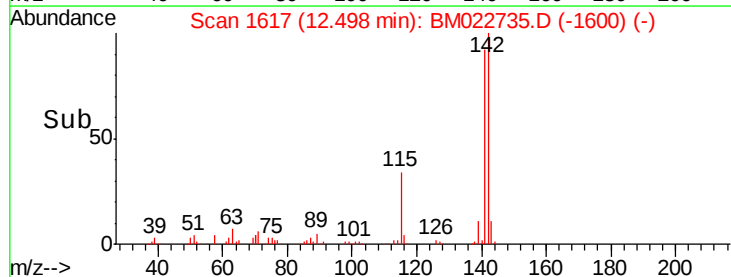
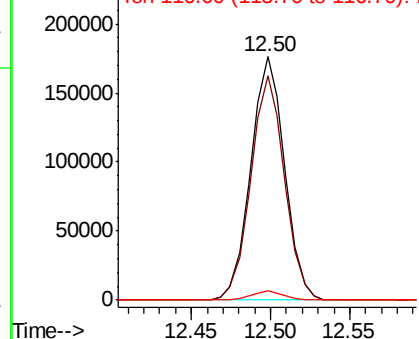


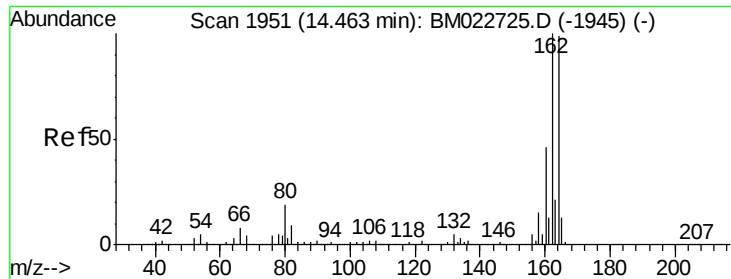
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





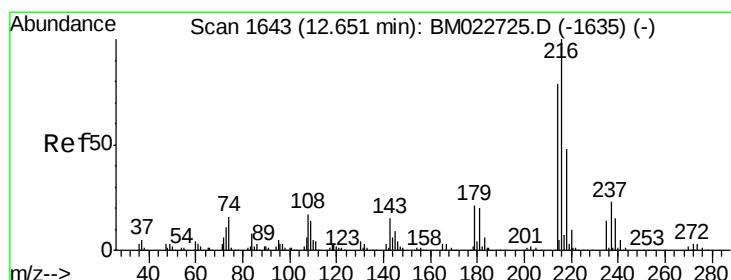
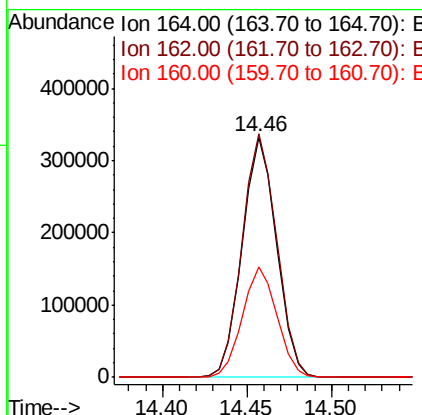
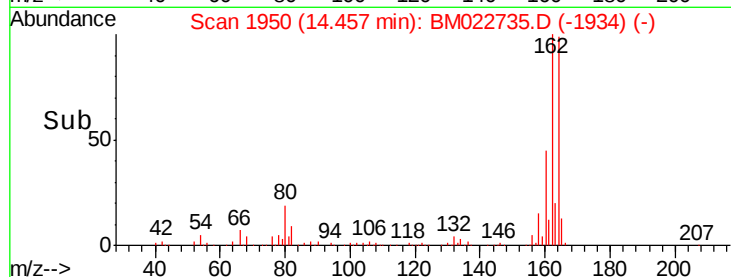
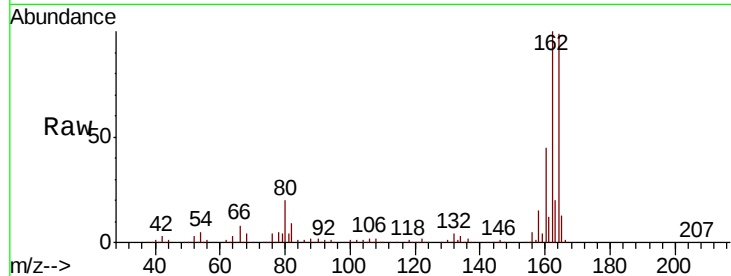
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	81.1	121.7	
160	45.8	36.9	55.3	

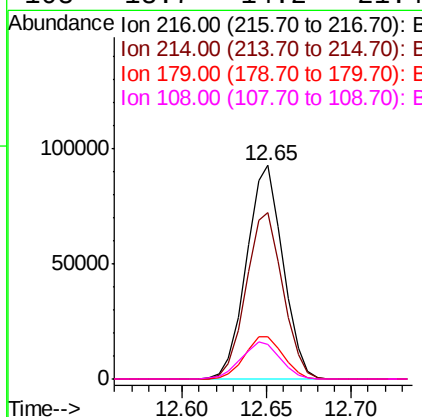
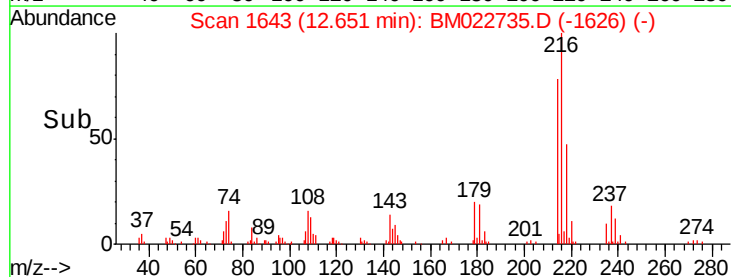
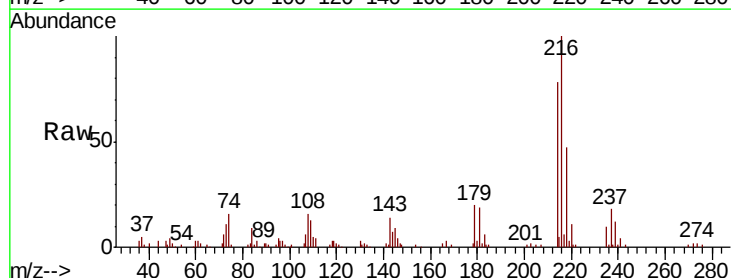
Manual Integrations
APPROVED

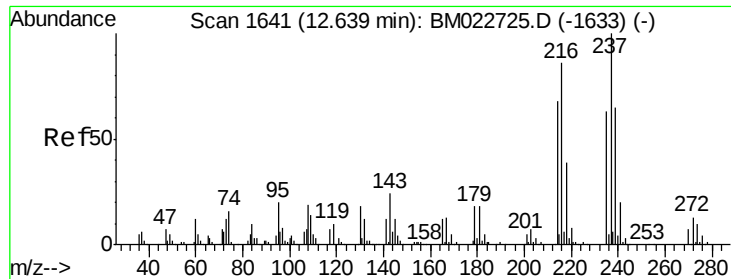
mohammad
9/24/2019 8:34:54 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.749 ng
RT: 12.65 min Scan# 1643
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.2	62.9	94.3	
179	20.8	16.6	24.8	
108	18.7	14.2	21.4	





#41

Hexachlorocyclopentadiene

Concen: 9.375 ng

RT: 12.63 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

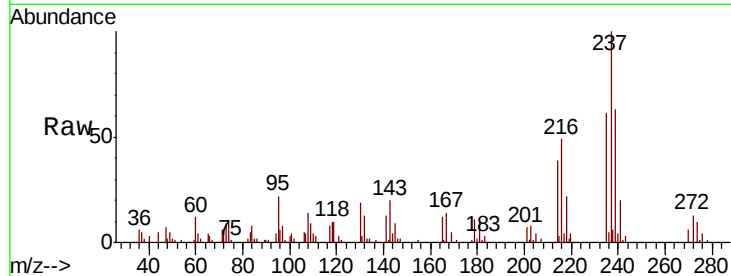
ClientSampleId :

LOQ-SOIL-02-QT3-2019

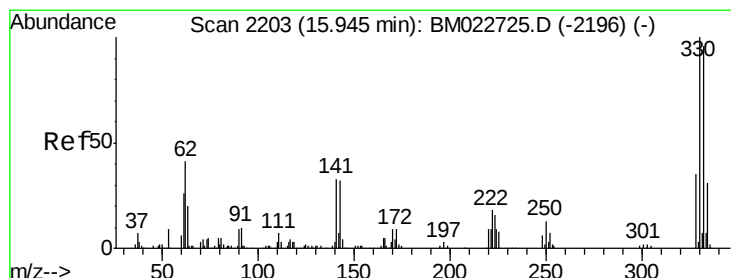
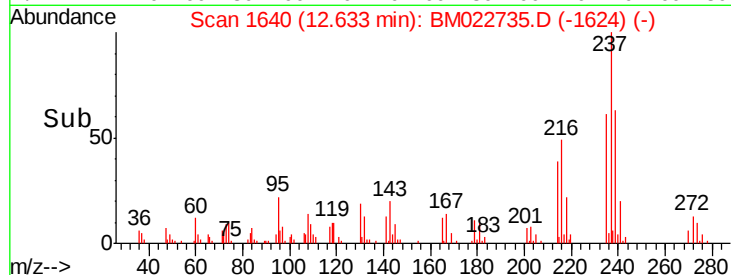
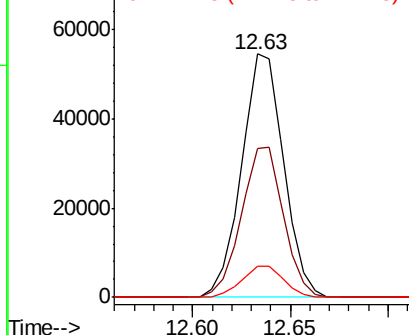
Tot Ion:	237	Resp:	81455
Ion Ratio	Lower	Upper	
237	100		
235	61.3	43.3	83.3
272	12.9	0.0	32.6

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM



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



#42

2,4,6-Tribromophenol

Concen: 117.133 ng

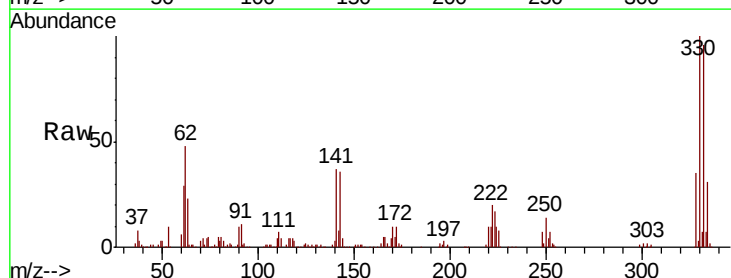
RT: 15.94 min Scan# 2202

Delta R.T. -0.01 min

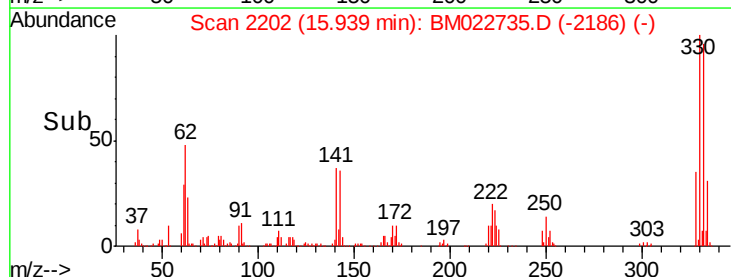
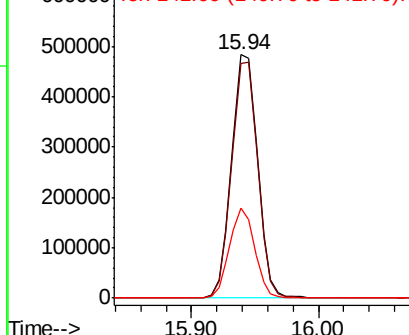
Lab File: BM022735.D

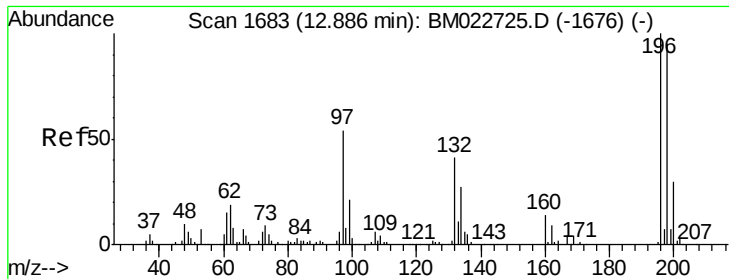
Acq: 20 Sep 2019 20:55

Tgt Ion:	330	Resp:	687227
Ion Ratio	Lower	Upper	
330	100		
332	97.0	76.9	115.3
141	35.8	28.6	42.8



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





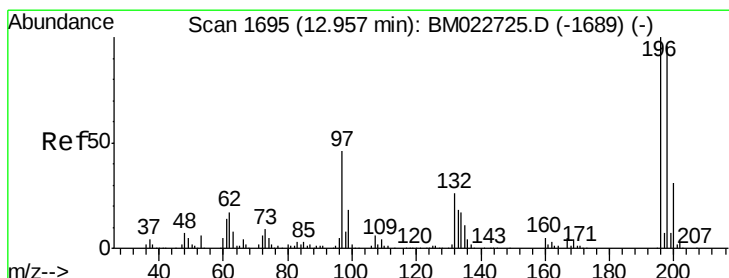
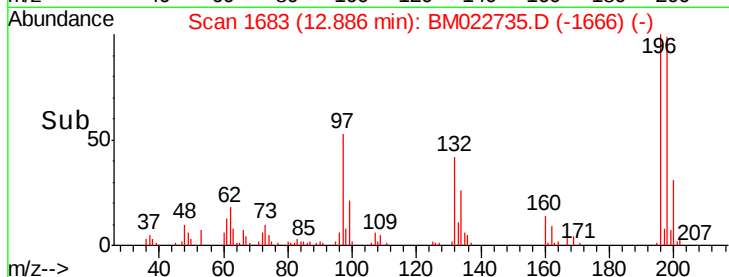
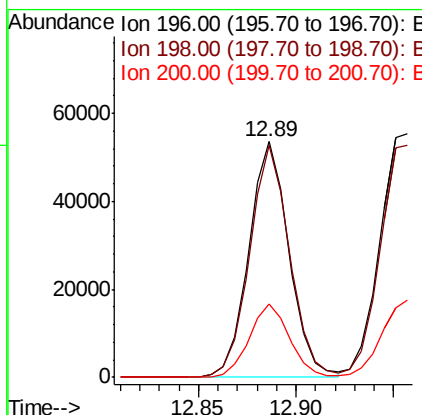
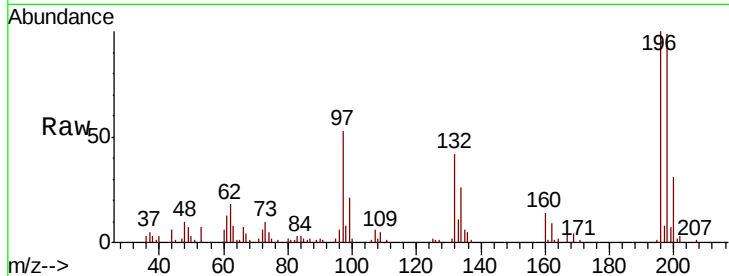
#43
 2,4,6-Trichlorophenol
 Concen: 8.303 ng
 RT: 12.89 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
196	100	76316		
198	98.7	76.3	114.5	
200	31.3	24.4	36.6	

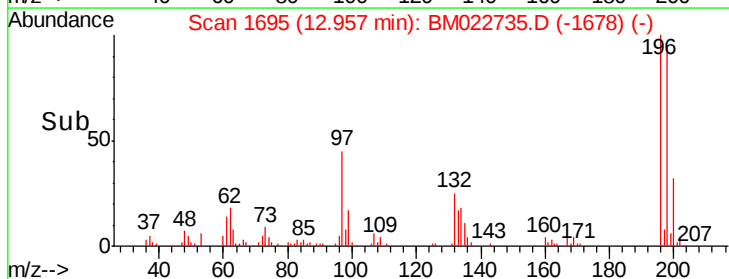
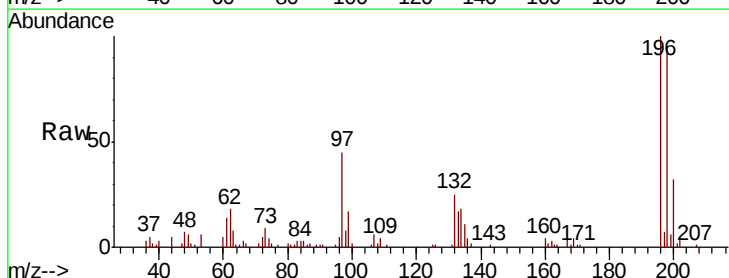
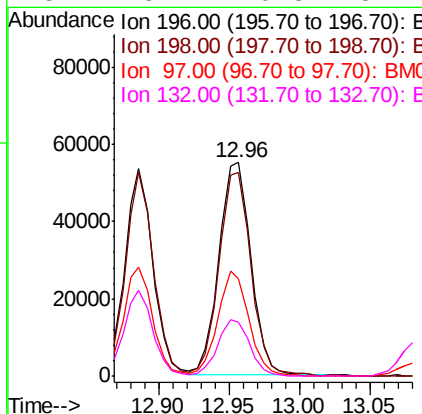
Manual Integrations
 APPROVED

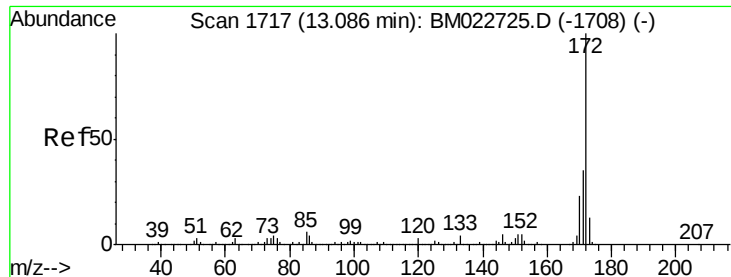
mohammad
 9/24/2019 8:34:54 AM



#44
 2,4,5-Trichlorophenol
 Concen: 9.030 ng
 RT: 12.96 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	86490		
198	95.3	77.0	115.4	
97	45.4	37.2	55.8	
132	25.4	20.8	31.2	





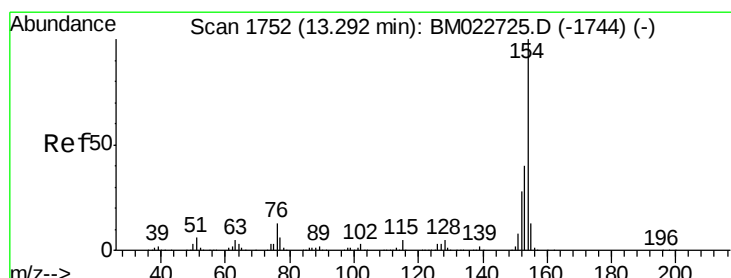
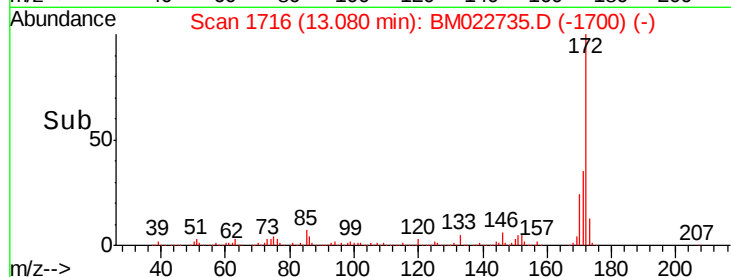
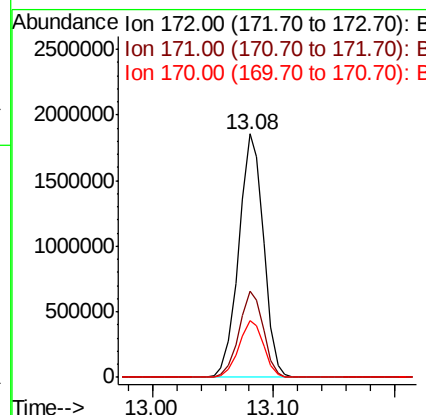
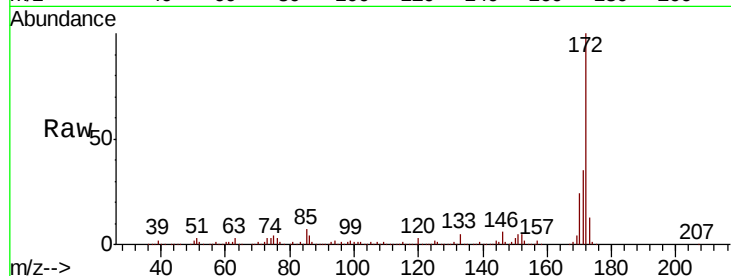
#45
2-Fluorobiphenyl
Concen: 77.422 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.8
170	23.5	18.7	28.1

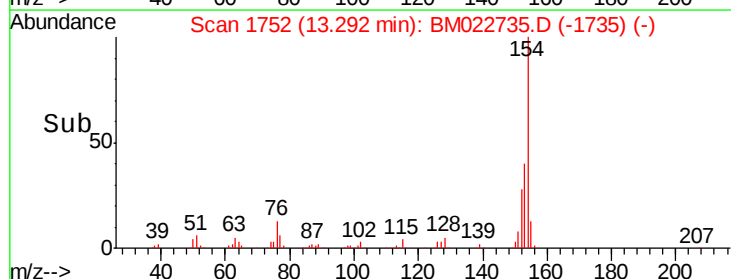
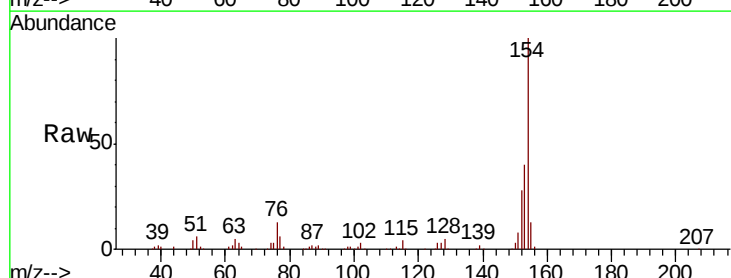
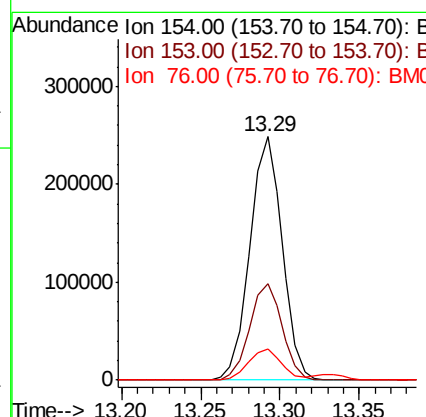
Manual Integrations
APPROVED

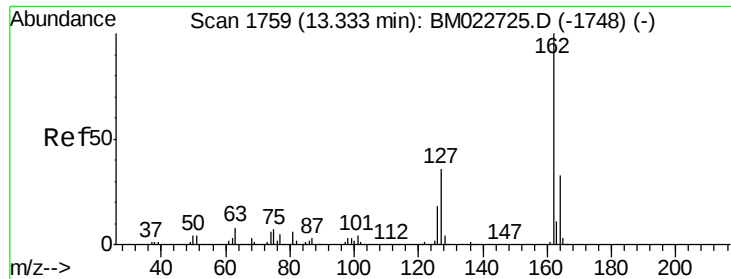
mohammad
9/24/2019 8:34:54 AM



#46
1,1'-Biphenyl
Concen: 9.055 ng
RT: 13.29 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.1	60.1
76	12.7	0.0	32.6





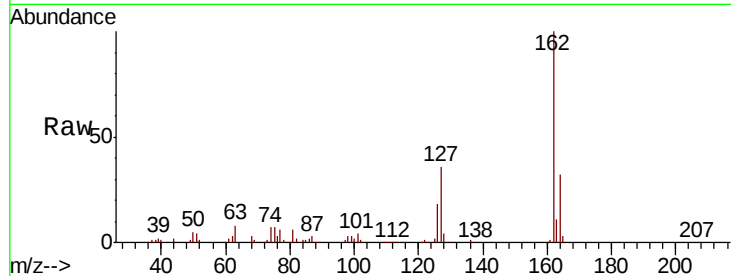
#47
2-Chloronaphthalene
Concen: 9.558 ng
RT: 13.33 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
162	100	277099		
127	35.7	29.0	43.6	
164	31.9	26.0	39.0	

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM

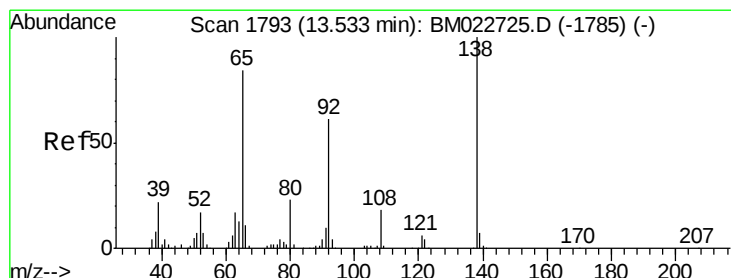
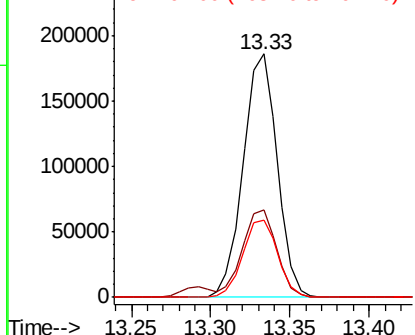
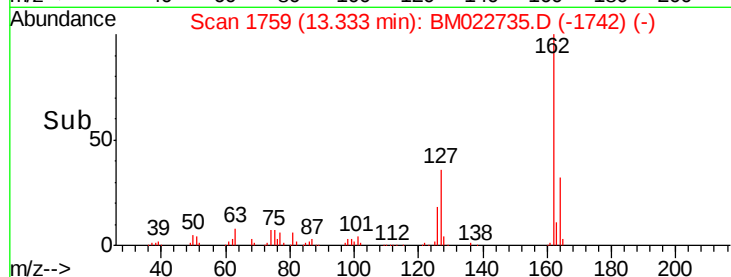


Abundance

Ion 162.00 (161.70 to 162.70): E

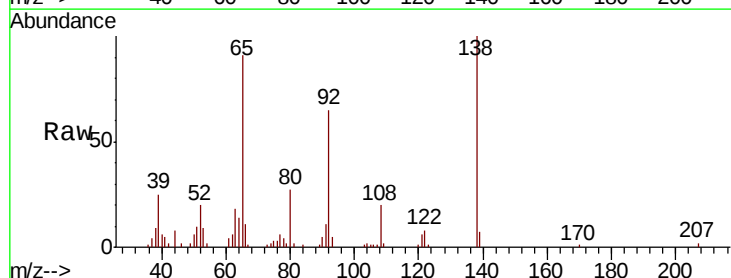
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 7.943 ng
RT: 13.53 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	59968		
92	71.5	58.6	87.8	
138	109.3	95.4	143.0	

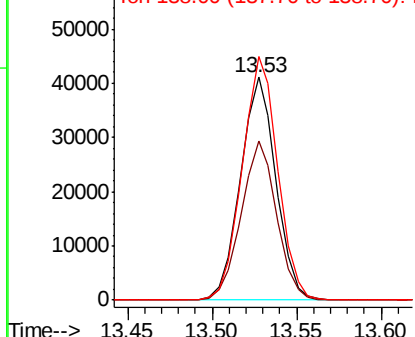
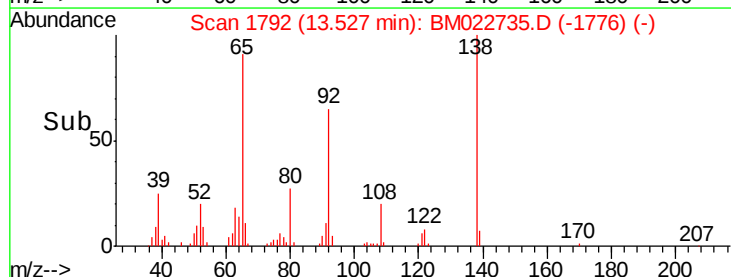


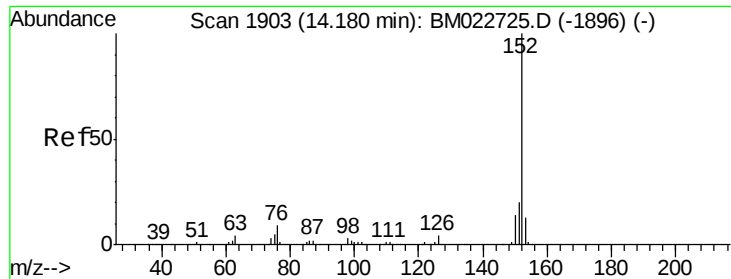
Abundance

Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 9.590 ng

RT: 14.18 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

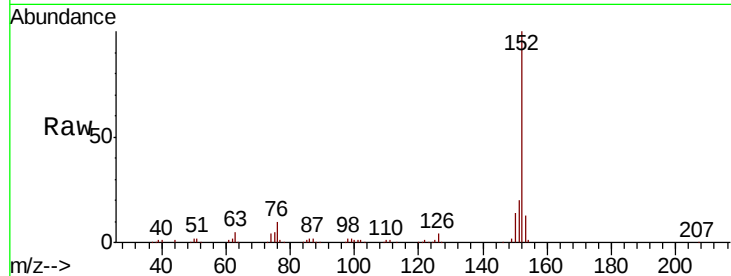
ClientSampleId :

LOQ-SOIL-02-QT3-2019

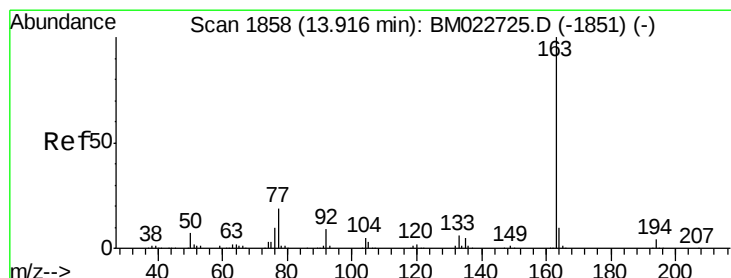
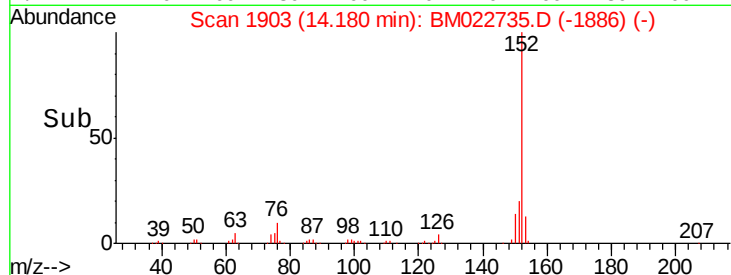
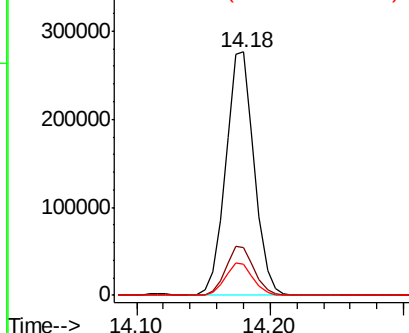
Tot Ion:	152	Resp:	411708
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.9	23.9
153	13.0	10.5	15.7

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.227 ng

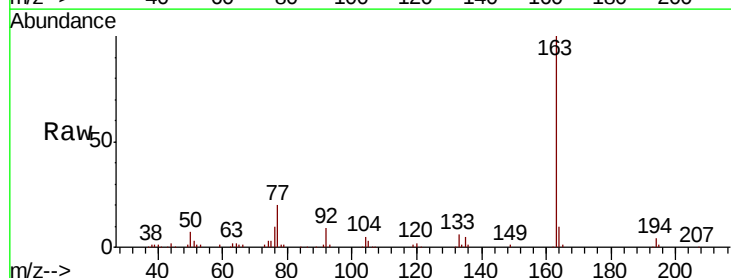
RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

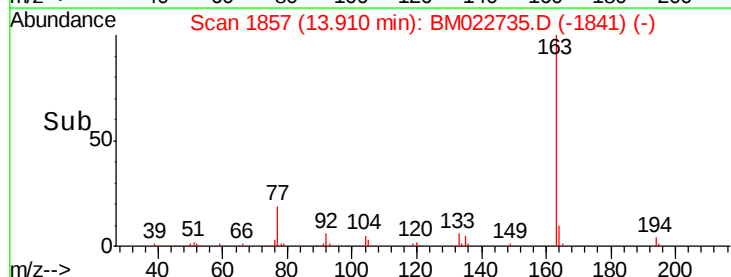
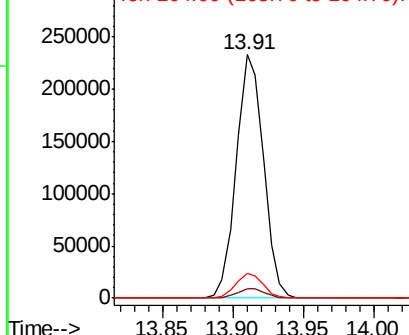
Lab File: BM022735.D

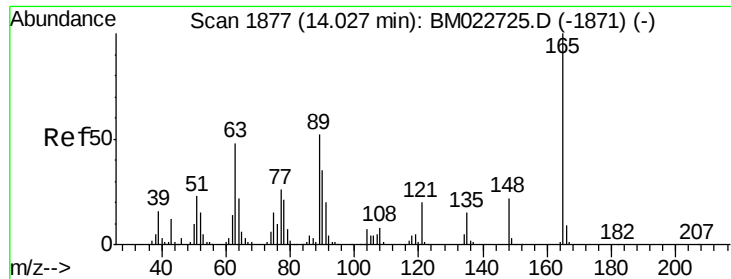
Acq: 20 Sep 2019 20:55

Tgt Ion:	163	Resp:	313378
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.3	4.9
164	10.1	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.873 ng

RT: 14.02 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

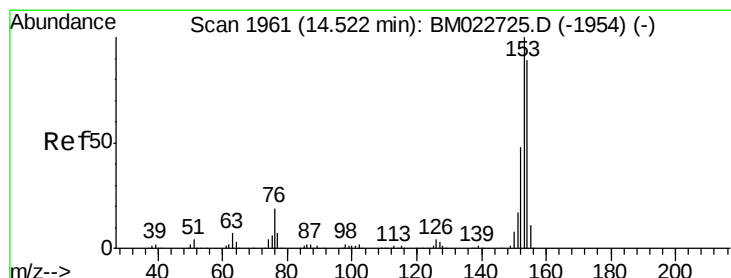
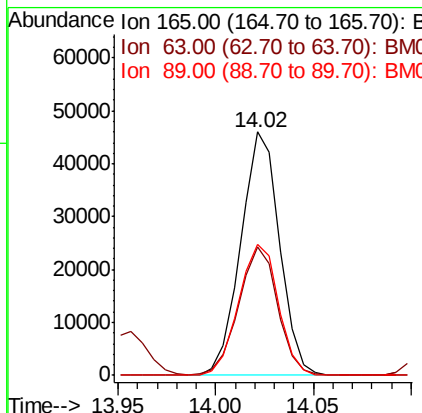
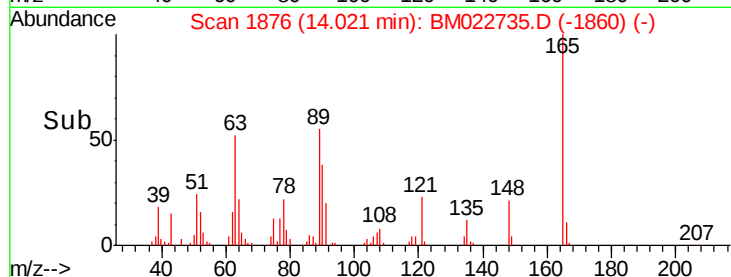
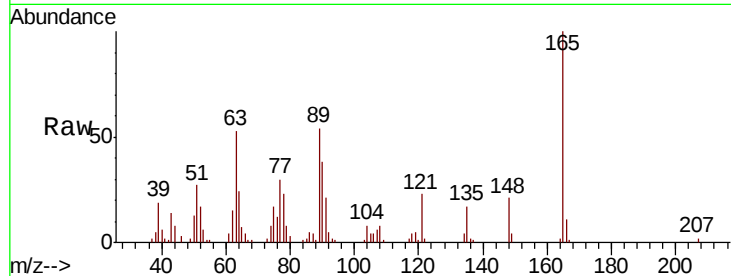
ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:	165	Resp:	63037
Ion Ratio	Lower	Upper	
165	100		
63	53.0	38.6	58.0
89	54.0	41.6	62.4

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM



#52

Acenaphthene

Concen: 9.481 ng

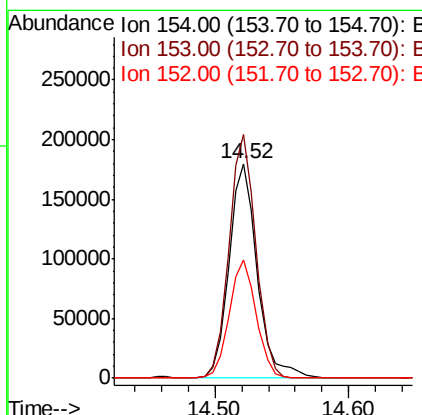
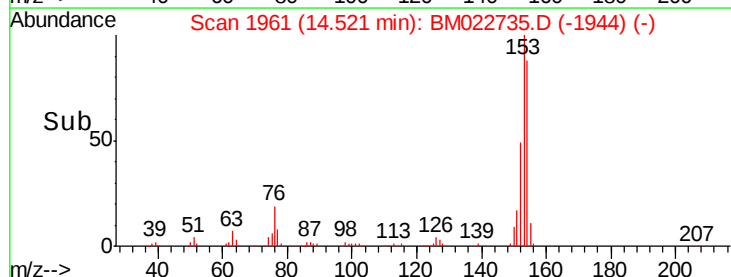
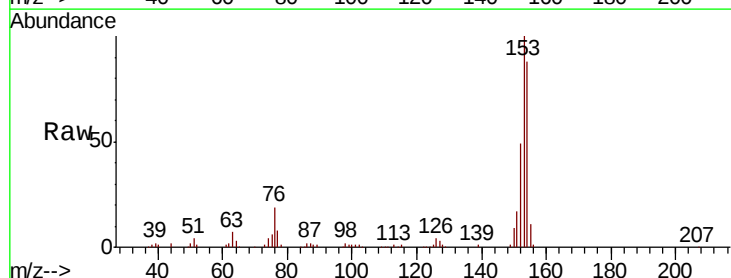
RT: 14.52 min Scan# 1961

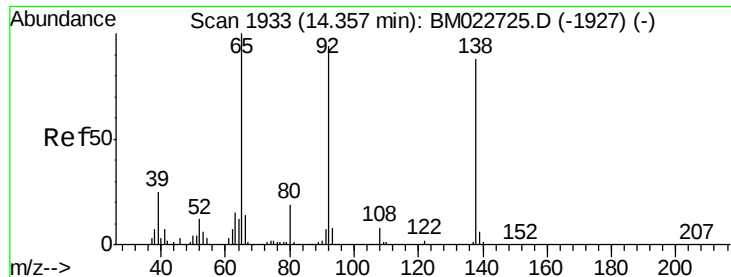
Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Tgt Ion:	154	Resp:	266309
Ion Ratio	Lower	Upper	
154	100		
153	113.6	90.0	135.0
152	55.1	42.9	64.3





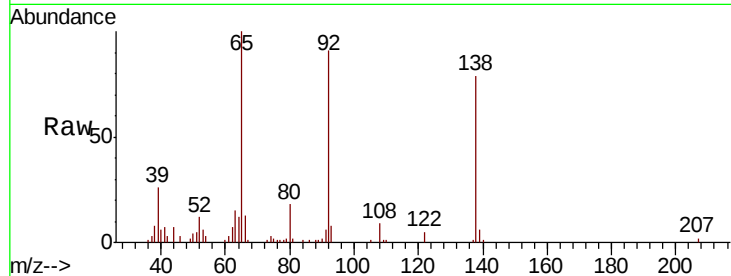
#53
3-Nitroaniline
Concen: 7.859 ng
RT: 14.35 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.1	7.3	10.9#
92	115.1	86.3	129.5

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM

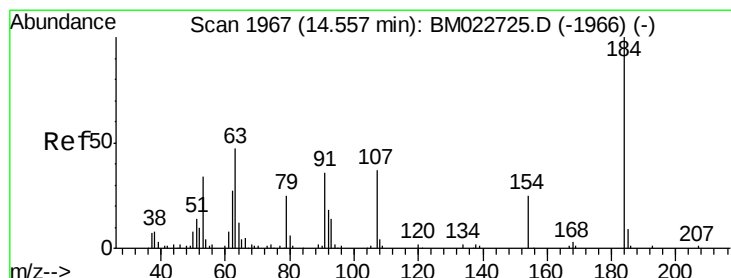
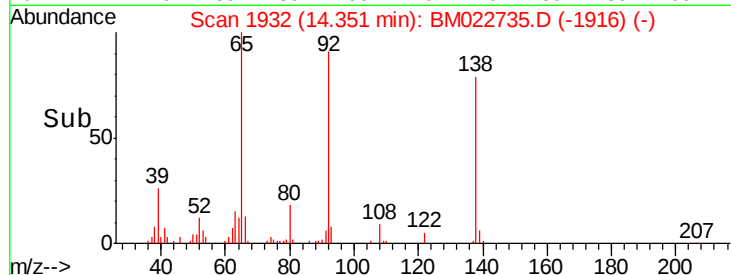
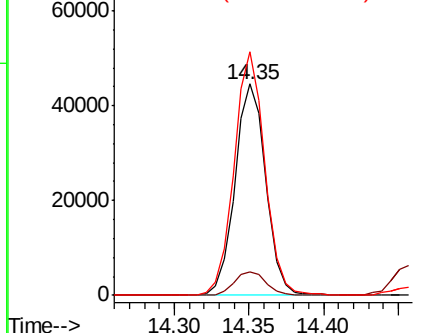


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54
2,4-Dinitrophenol
Concen: 6.256 ng
RT: 14.56 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

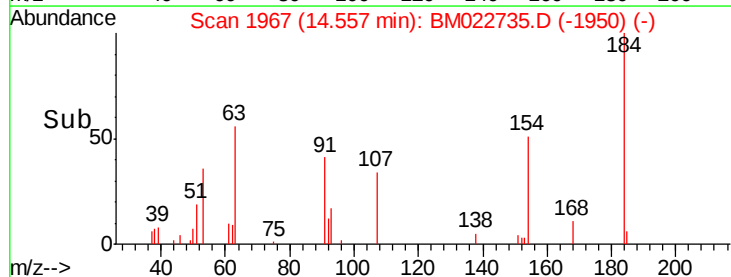
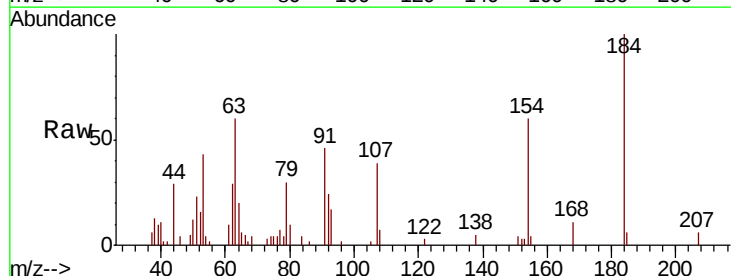
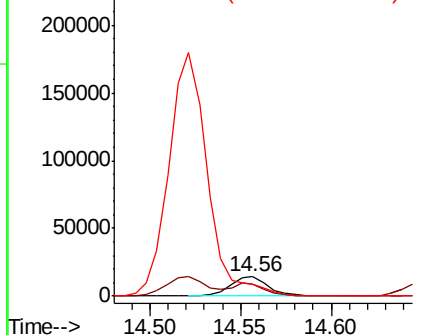
Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.4	48.5	72.7
154	59.7	48.1	72.1

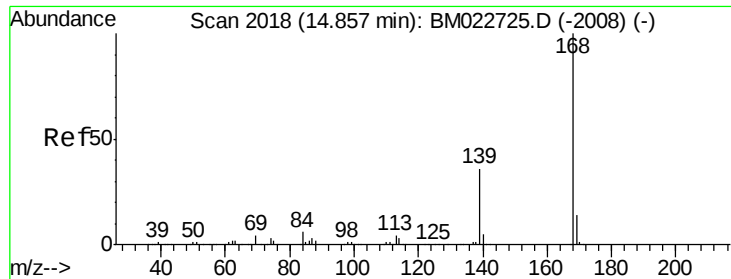
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





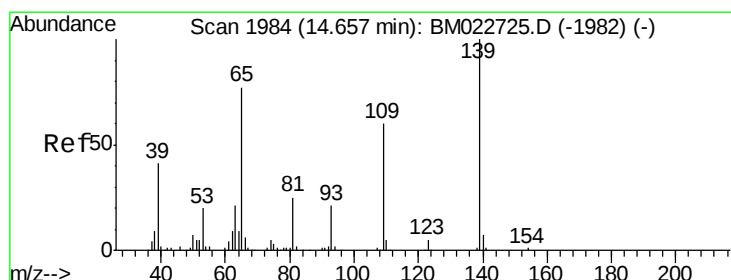
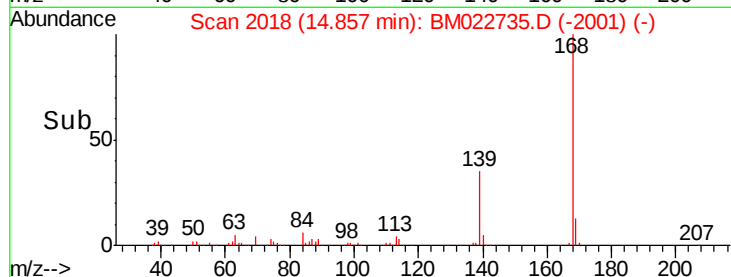
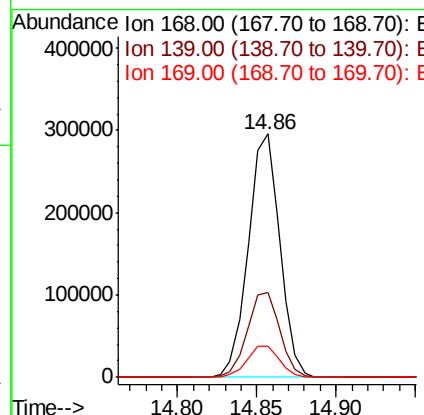
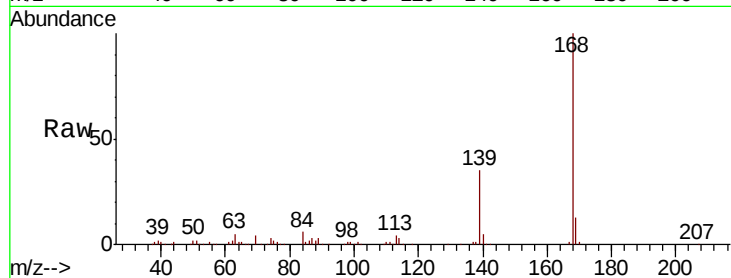
#55
Dibenzenofuran
Concen: 9.958 ng
RT: 14.86 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
168	100	408318		
139	34.7		28.8	43.2
169	13.0		10.9	16.3

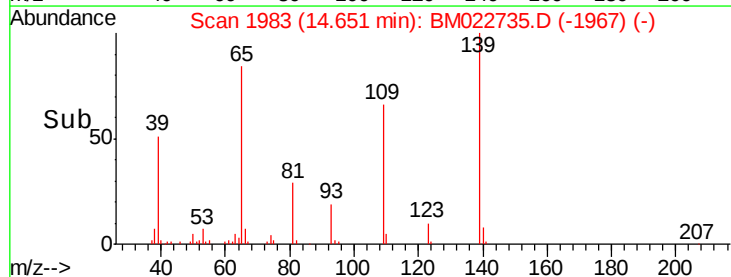
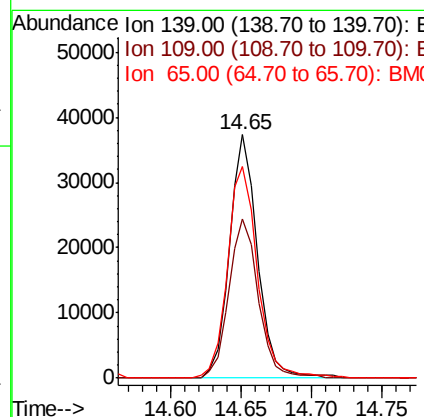
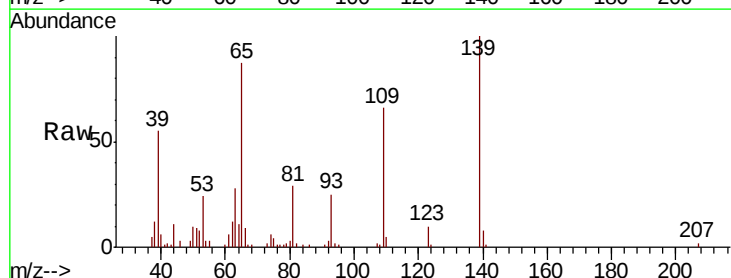
Manual Integrations
APPROVED

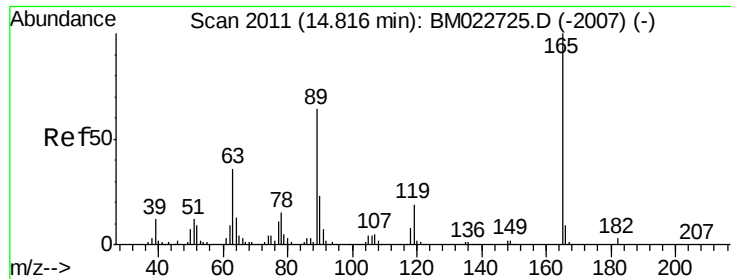
mohammad
9/24/2019 8:34:54 AM



#56
4-Nitrophenol
Concen: 8.185 ng
RT: 14.65 min Scan# 1983
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	51453		
109	65.6		44.8	84.8
65	86.9		66.6	106.6





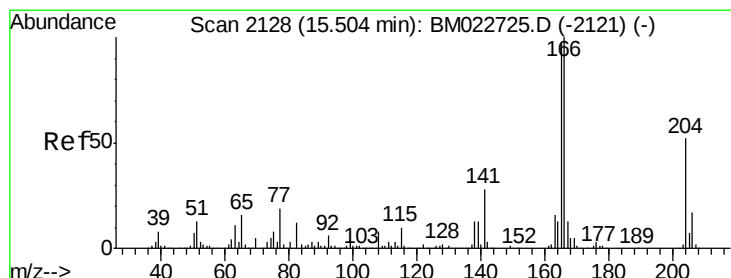
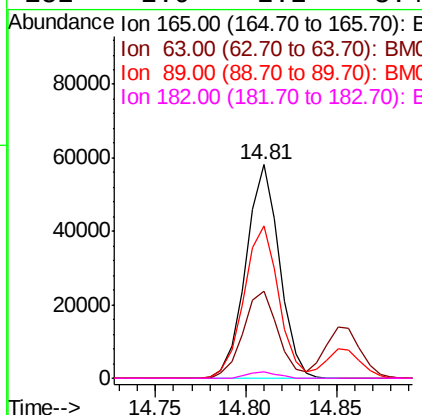
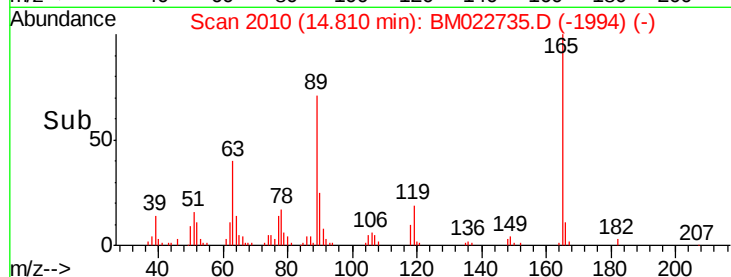
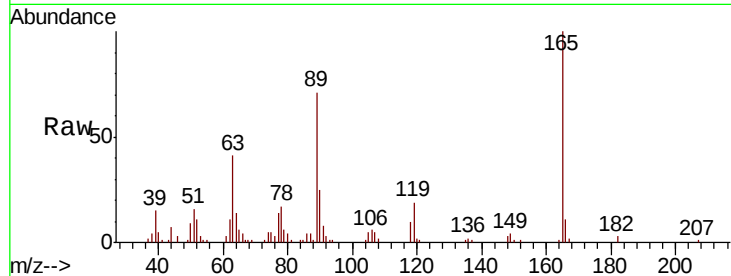
#57
2,4-Dinitrotoluene
Concen: 8.041 ng
RT: 14.81 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
165	100		
63	40.8	30.1	45.1
89	71.3	52.5	78.7
182	2.9	2.2	3.4

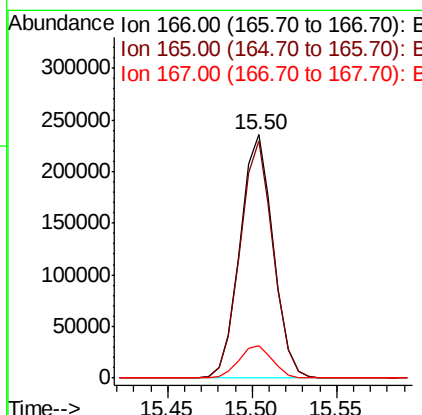
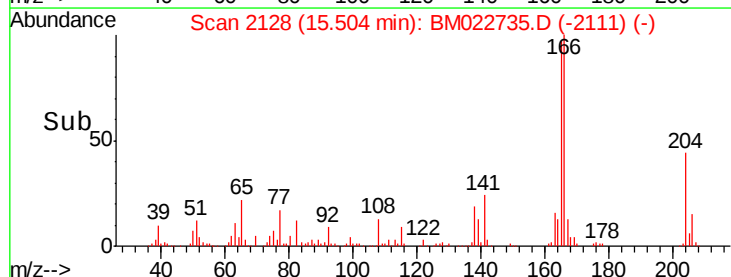
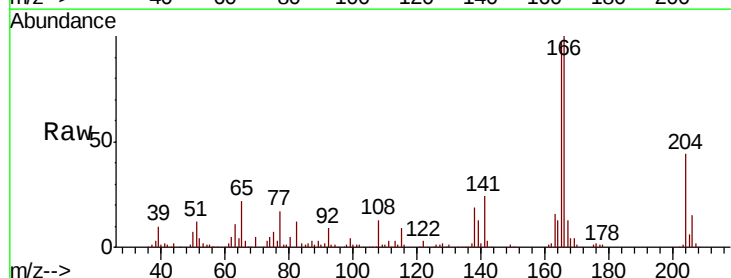
Manual Integrations
APPROVED

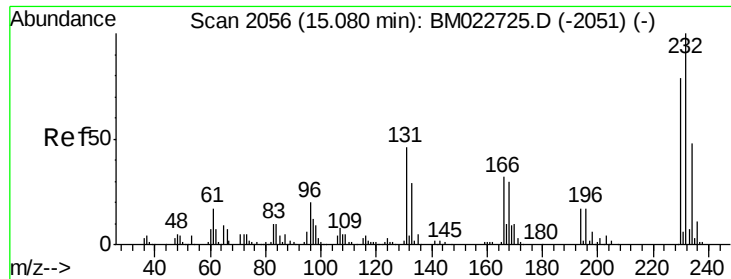
mohammad
9/24/2019 8:34:54 AM



#58
Fluorene
Concen: 9.659 ng
RT: 15.50 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.6	116.4
167	13.4	10.8	16.2





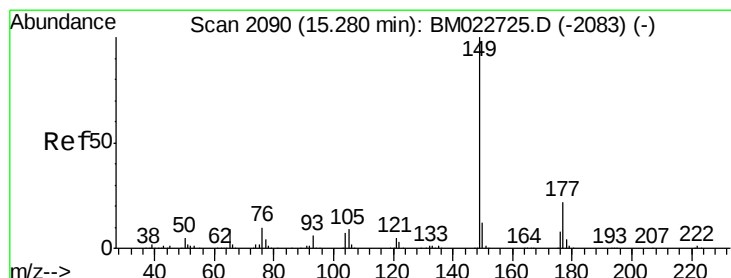
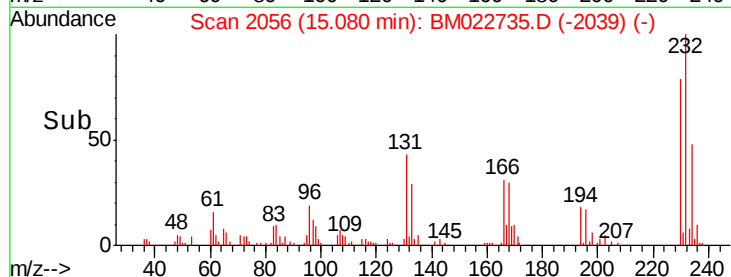
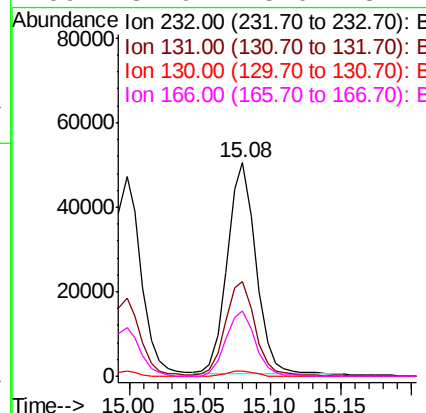
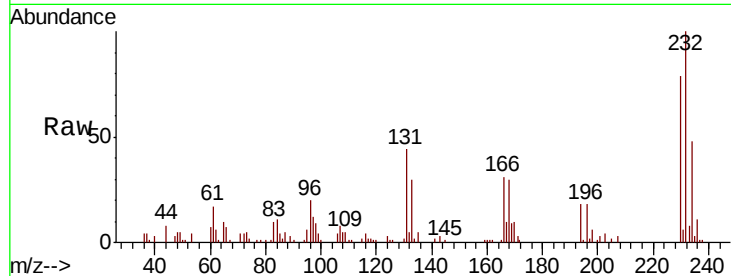
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.440 ng
 RT: 15.08 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
232	100	70500		
131	47.2		36.3	54.5
130	2.2		1.8	2.8
166	31.9		25.0	37.4

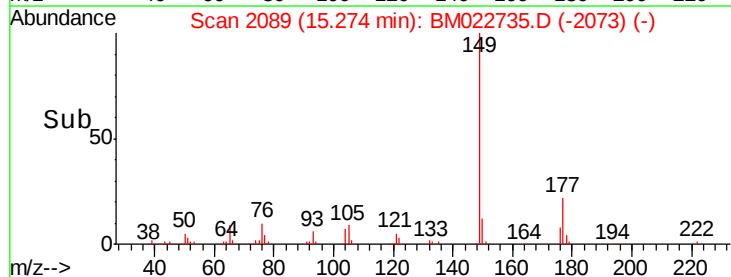
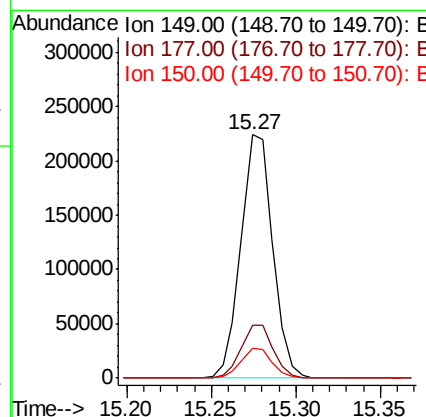
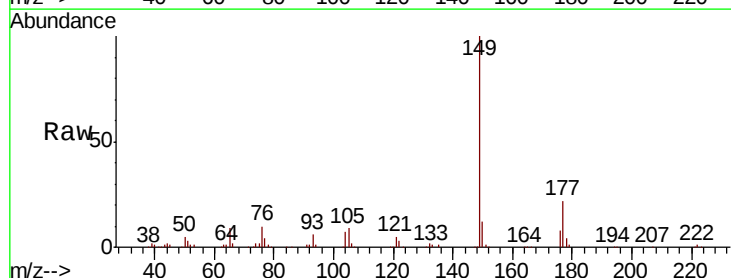
Manual Integrations
 APPROVED

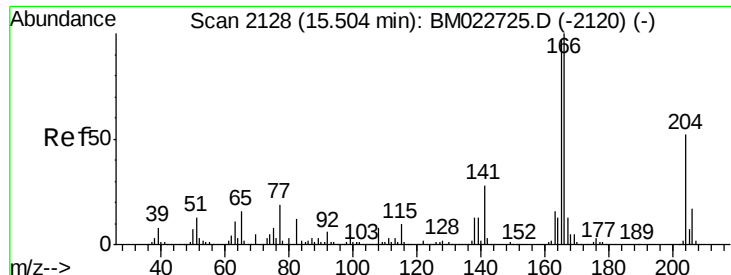
mohammad
 9/24/2019 8:34:54 AM



#60
 Diethylphthalate
 Concen: 8.921 ng
 RT: 15.27 min Scan# 2089
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	294630		
177	21.5		17.6	26.4
150	12.1		9.9	14.9





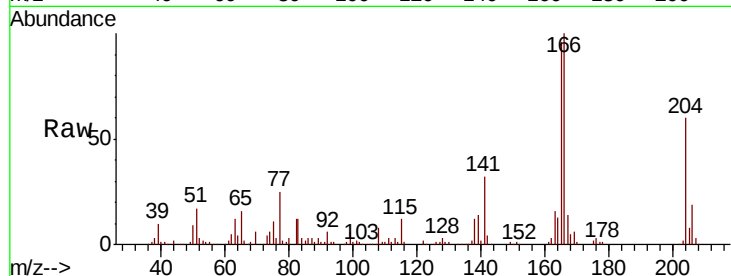
#61
4-Chlorophenyl-phenylether
Concen: 9.338 ng
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
204	100	159872		
206	32.1	26.2	39.4	
141	54.2	42.6	64.0	

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM

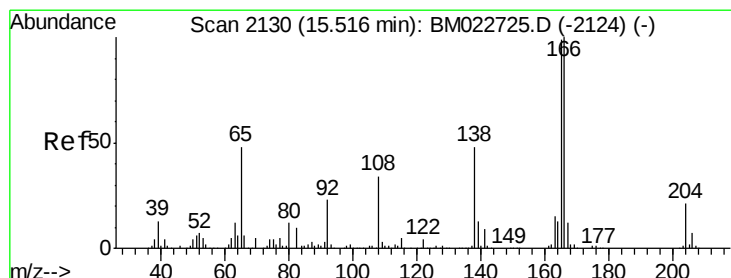
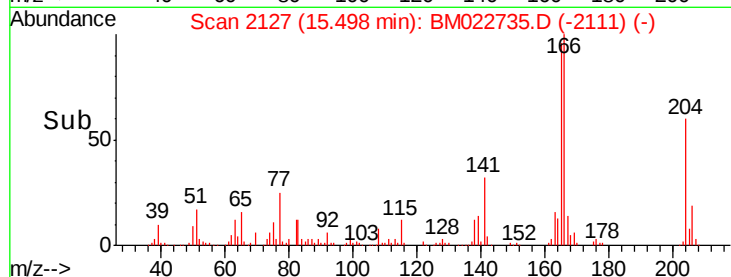
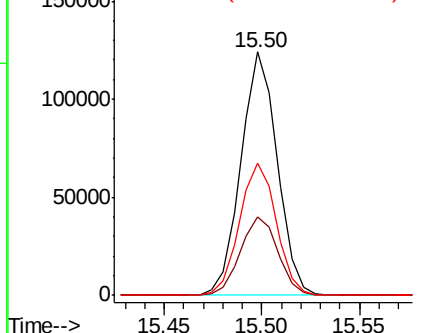


Abundance

Ion 204.00 (203.70 to 204.70): E

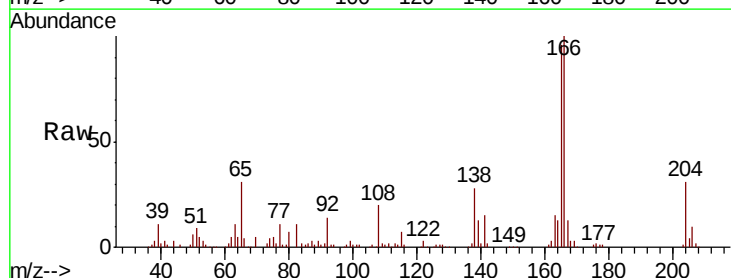
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 8.273 ng
RT: 15.51 min Scan# 2129
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	70941		
92	47.9	28.7	68.7	
108	71.4	50.3	90.3	

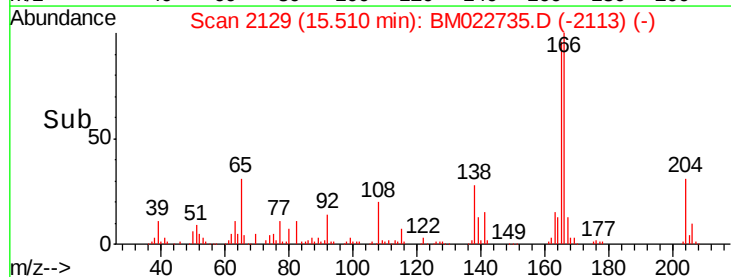
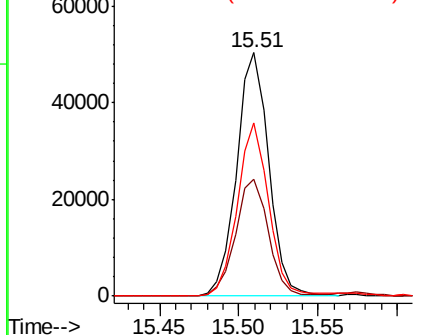


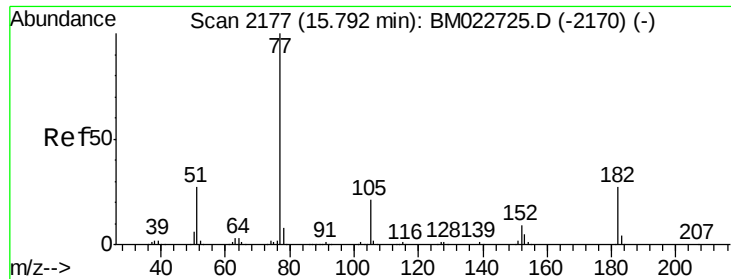
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): E

Ion 108.00 (107.70 to 108.70): E





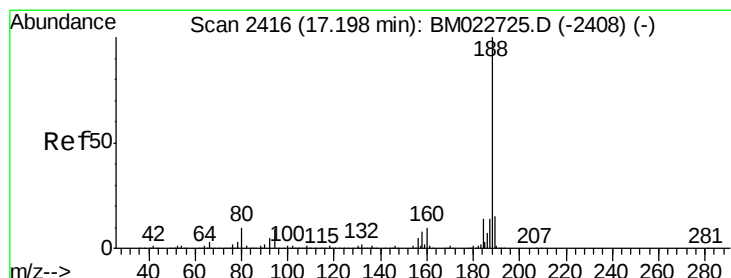
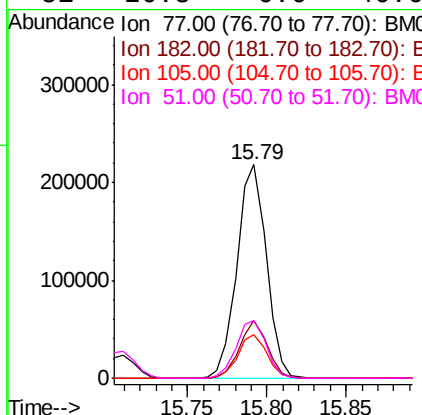
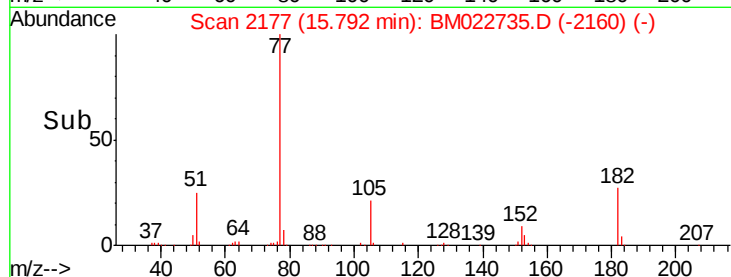
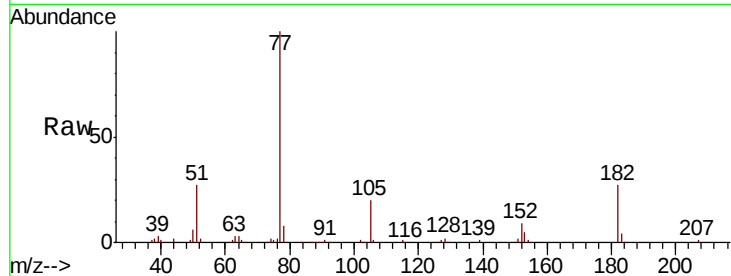
#63
Azobenzene
Concen: 9.427 ng
RT: 15.79 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	26.8	7.0	47.0		
105	20.2	0.9	40.9		
51	26.8	6.6	46.6		

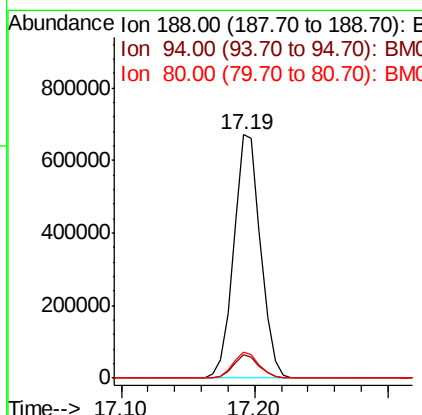
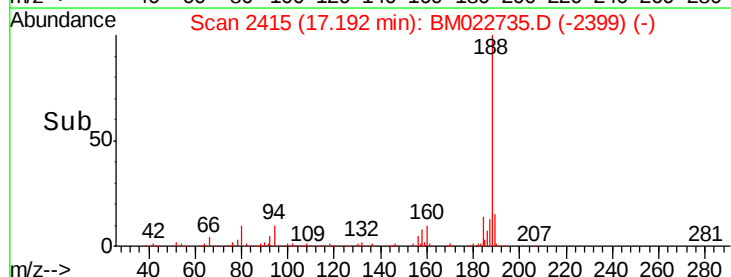
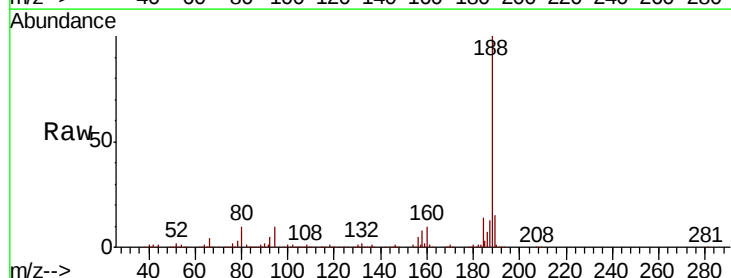
Manual Integrations
APPROVED

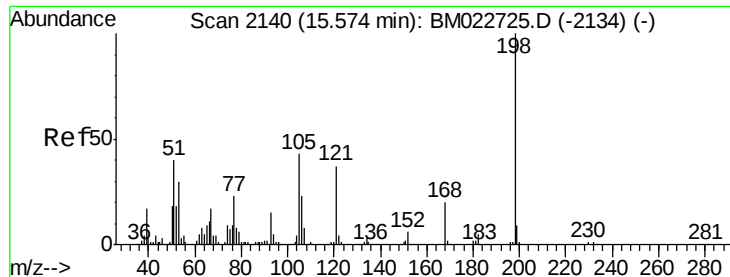
mohammad
9/24/2019 8:34:54 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.8	7.3	10.9		
80	10.5	7.8	11.8		





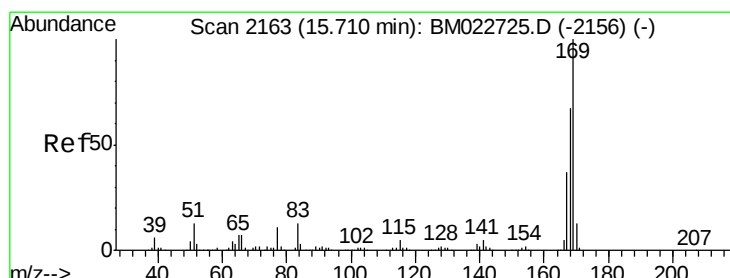
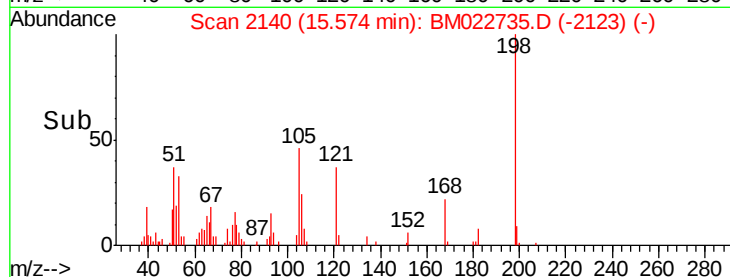
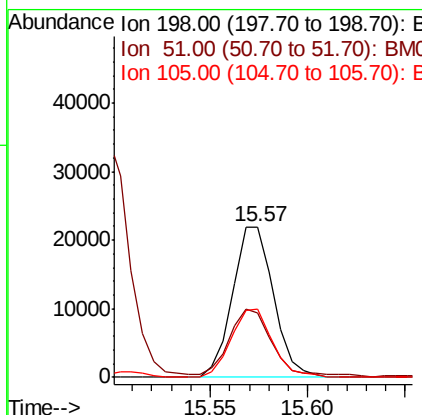
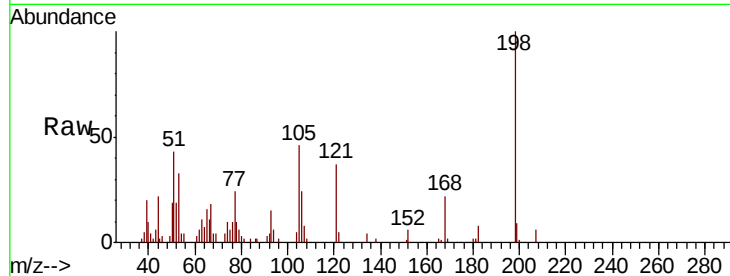
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.289 ng
 RT: 15.57 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
198	100	31878		
51	42.9		21.0	61.0
105	45.7		22.5	62.5

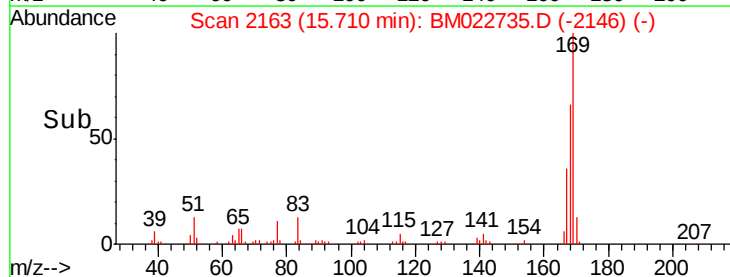
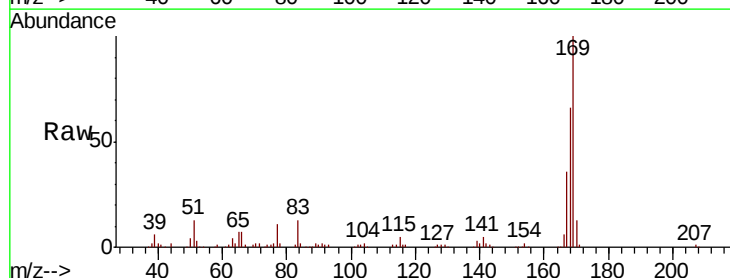
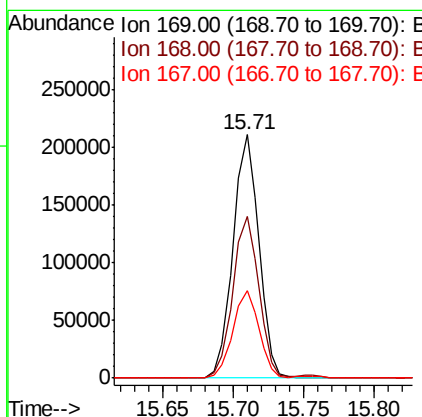
Manual Integrations
 APPROVED

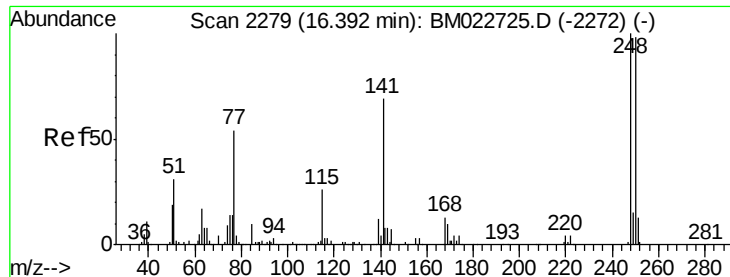
mohammad
 9/24/2019 8:34:54 AM



#66
 n-Nitrosodiphenylamine
 Concen: 9.458 ng
 RT: 15.71 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	269846		
168	66.3		53.4	80.2
167	35.9		29.3	43.9





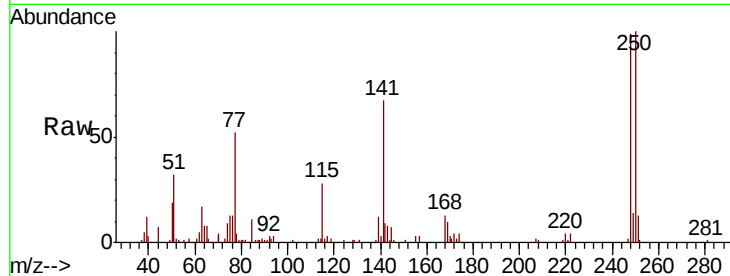
#67
 4-Bromophenyl-phenylether
 Concen: 8.756 ng
 RT: 16.39 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

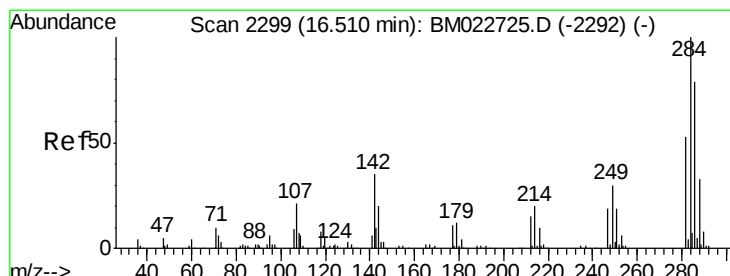
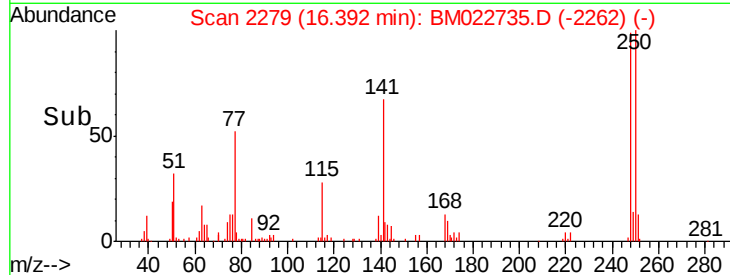
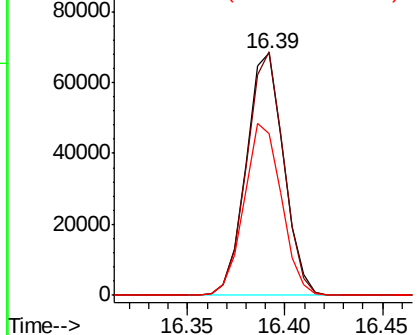
Tot Ion:	248	Resp:	90949
Ion Ratio	Lower	Upper	
248	100		
250	100.6	78.4	117.6
141	67.0	55.1	82.7

Manual Integrations
 APPROVED

mohammad
 9/24/2019 8:34:54 AM

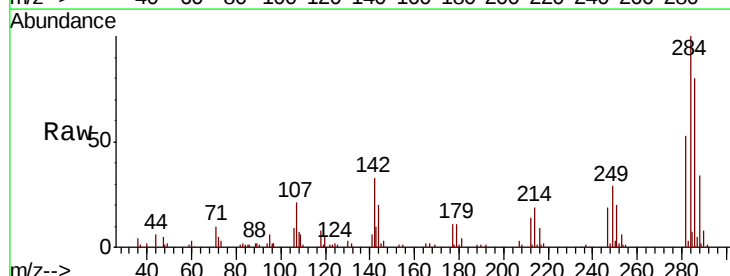


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

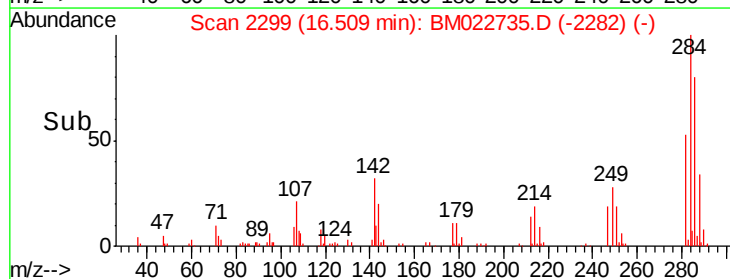
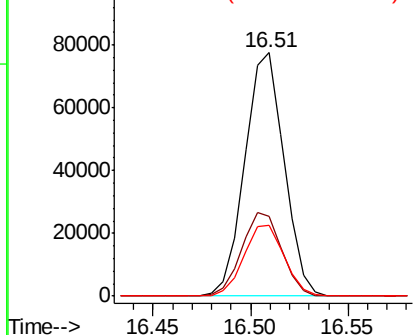


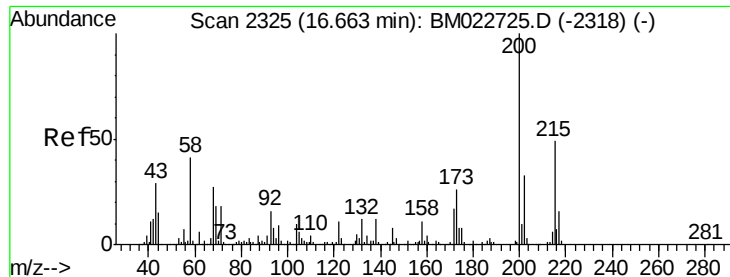
#68
 Hexachlorobenzene
 Concen: 8.918 ng
 RT: 16.51 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion:	284	Resp:	108028
Ion Ratio	Lower	Upper	
284	100		
142	32.8	27.8	41.8
249	29.3	24.4	36.6



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





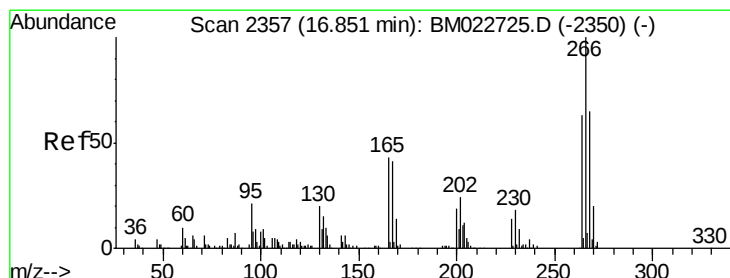
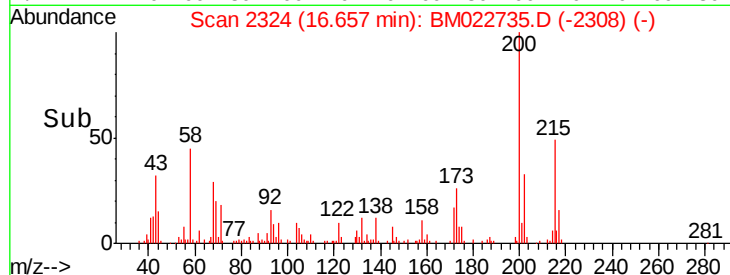
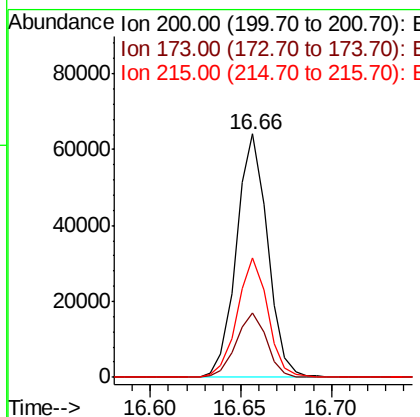
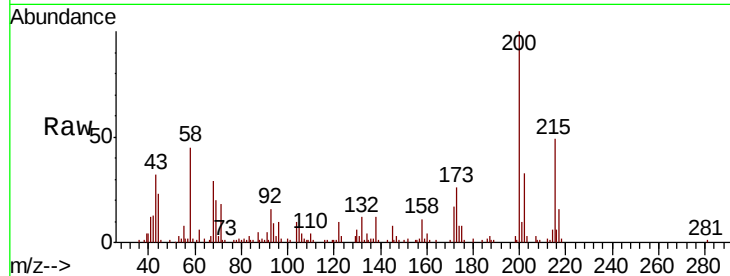
#69
Atrazine
Concen: 8.262 ng
RT: 16.66 min Scan# 2324
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
200	100	76631		
173	26.2		5.8	45.8
215	49.2		29.2	69.2

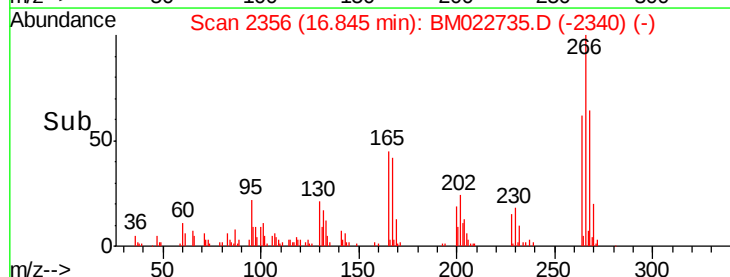
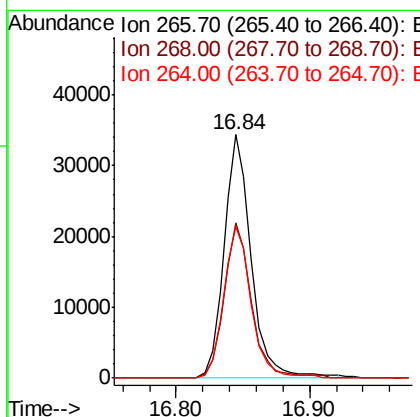
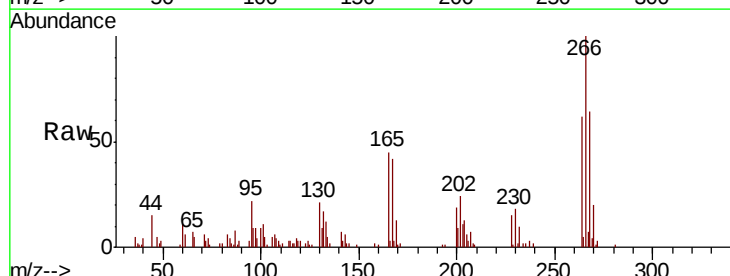
Manual Integrations
APPROVED

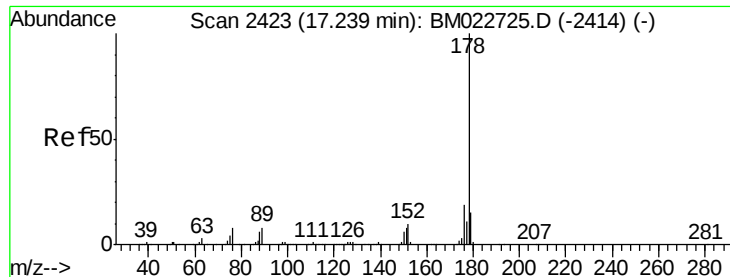
mohammad
9/24/2019 8:34:54 AM



#70
Pentachlorophenol
Concen: 7.591 ng
RT: 16.84 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	49039		
268	63.7		51.8	77.6
264	62.4		50.2	75.4





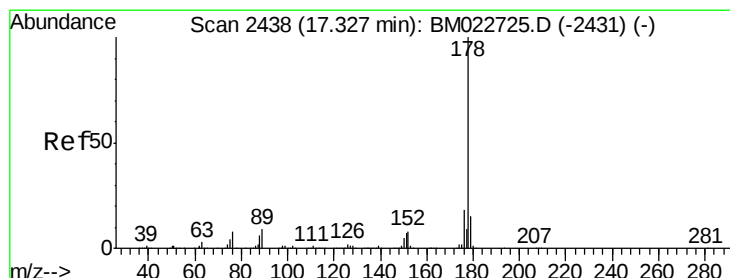
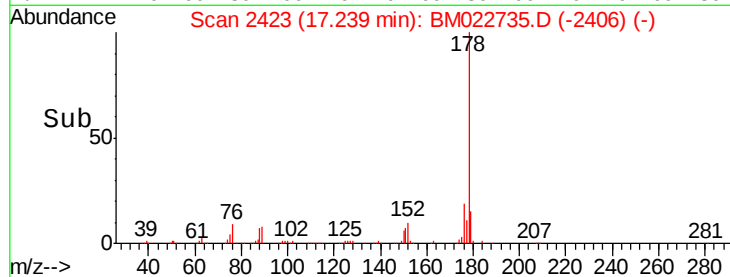
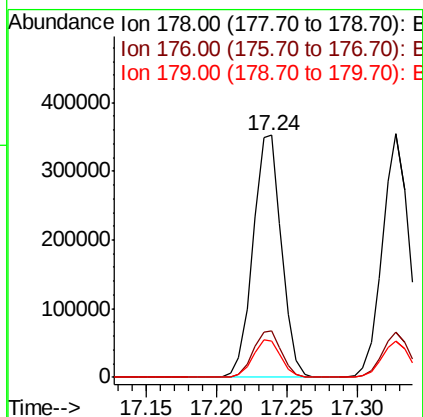
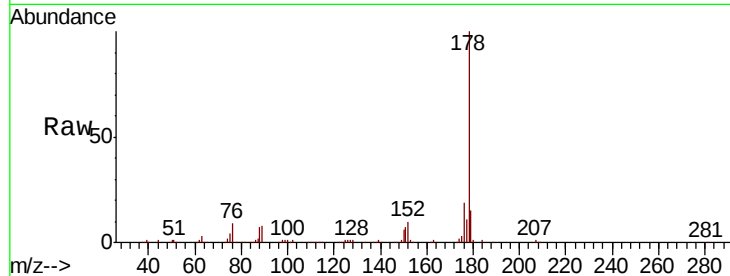
#71
Phenanthrene
Concen: 9.488 ng
RT: 17.24 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.1	12.3	18.5

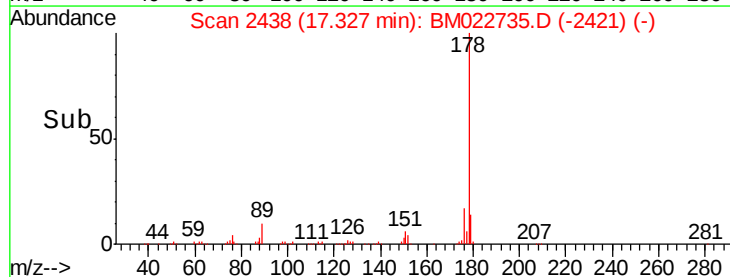
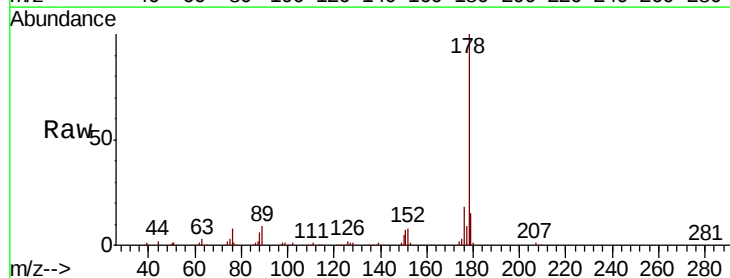
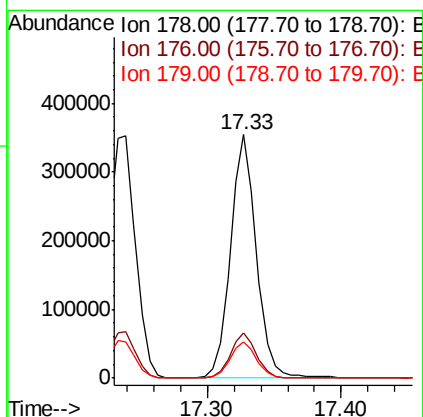
Manual Integrations
APPROVED

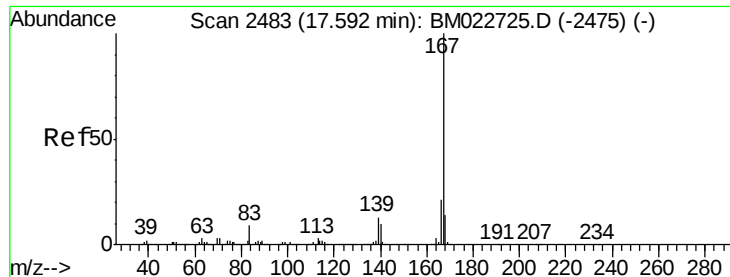
mohammad
9/24/2019 8:34:54 AM



#72
Anthracene
Concen: 9.367 ng
RT: 17.33 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.1	12.2	18.4





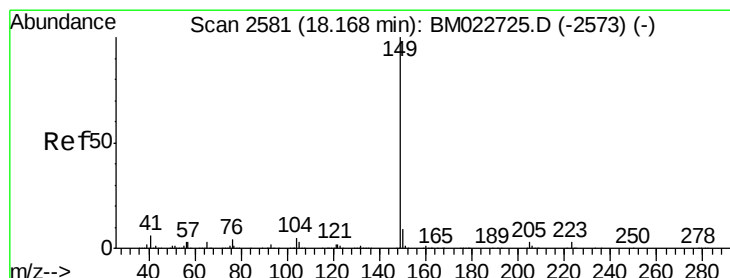
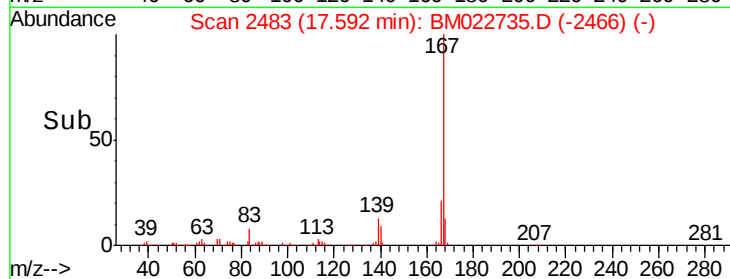
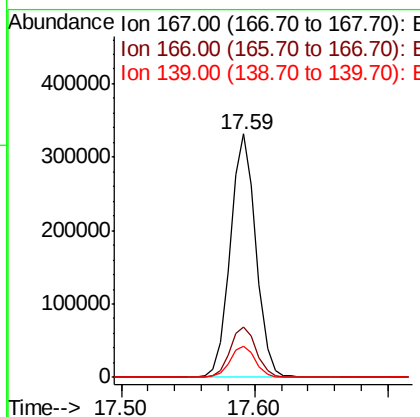
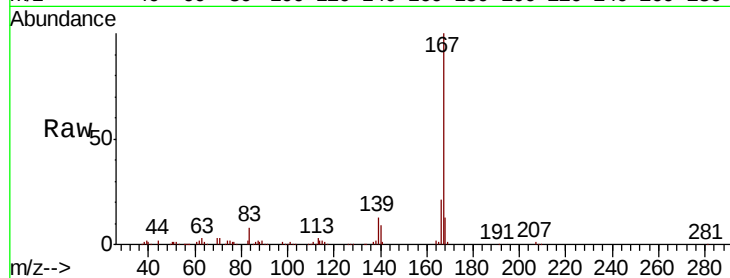
#73
 Carbazole
 Concen: 9.328 ng
 RT: 17.59 min Scan# 2483
 Delta R.T. -0.00 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.0	25.4
139	12.9	10.1	15.1

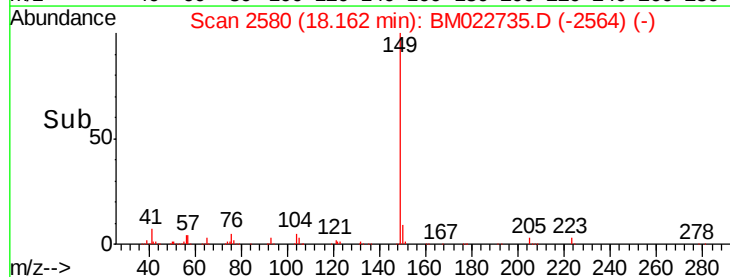
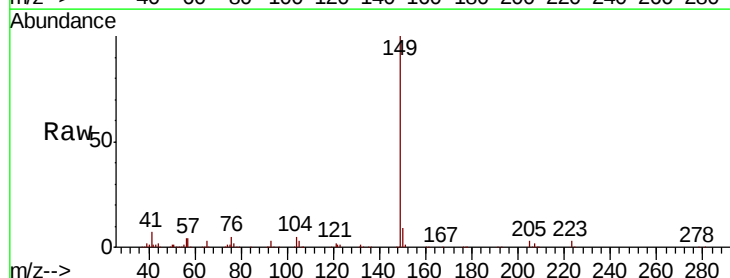
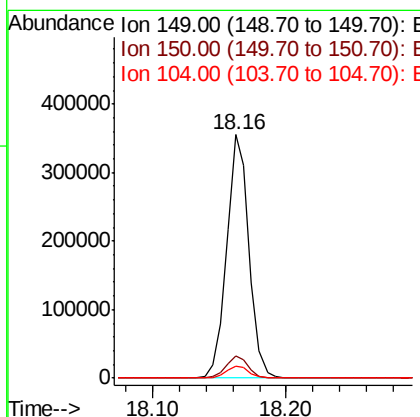
Manual Integrations
 APPROVED

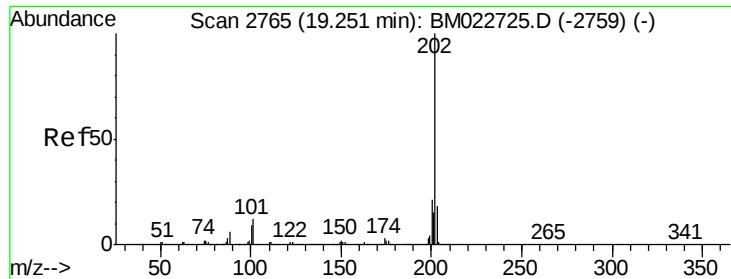
mohammad
 9/24/2019 8:34:54 AM



#74
 Di-n-butylphthalate
 Concen: 7.707 ng
 RT: 18.16 min Scan# 2580
 Delta R.T. -0.01 min
 Lab File: BM022735.D
 Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	5.1	3.8	5.6





#75

Fluoranthene

Concen: 9.115 ng

RT: 19.25 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

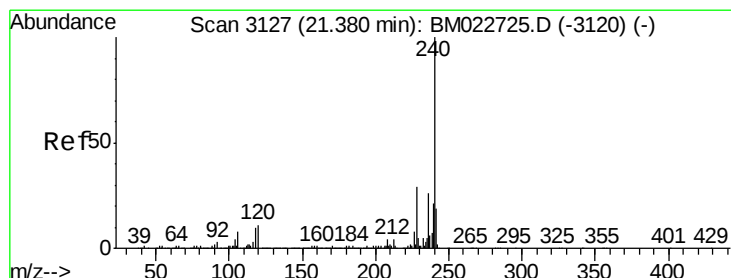
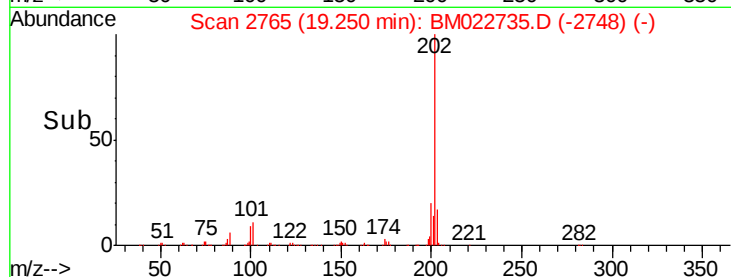
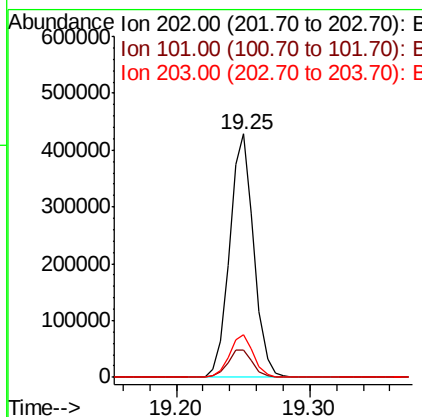
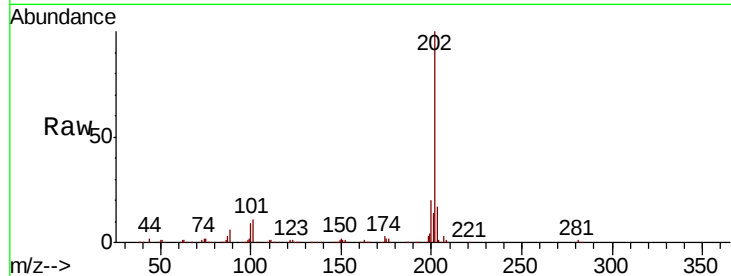
ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:	202	Resp:	541974
Ion Ratio		Lower	Upper
202	100		
101	11.5	0.0	32.1
203	17.5	0.0	37.7

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM



#76

Chrysene-d12

Concen: 20.000 ng

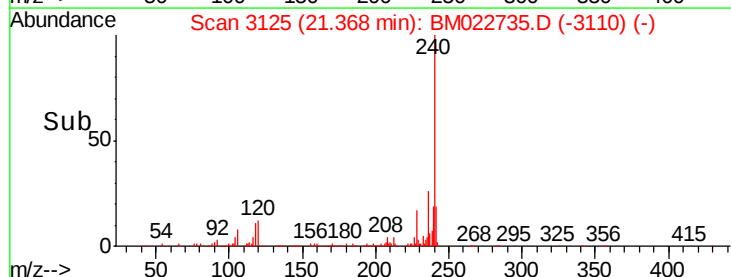
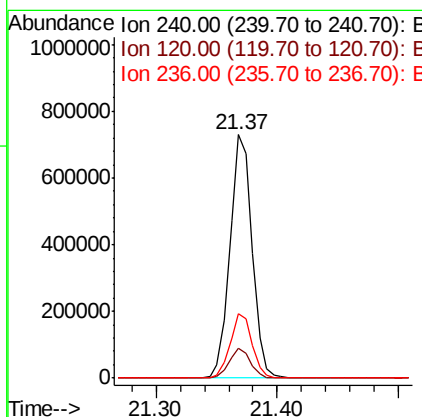
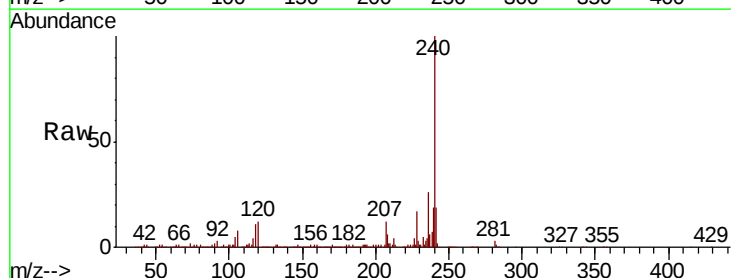
RT: 21.37 min Scan# 3125

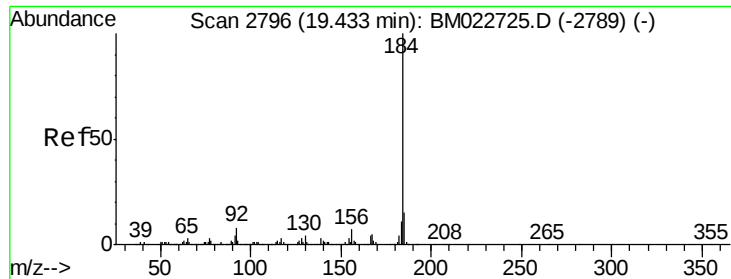
Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Tgt Ion:	240	Resp:	929239
Ion Ratio		Lower	Upper
240	100		
120	12.1	8.8	13.2
236	26.2	20.8	31.2





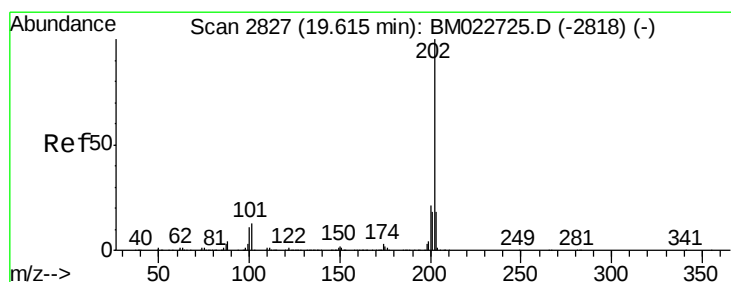
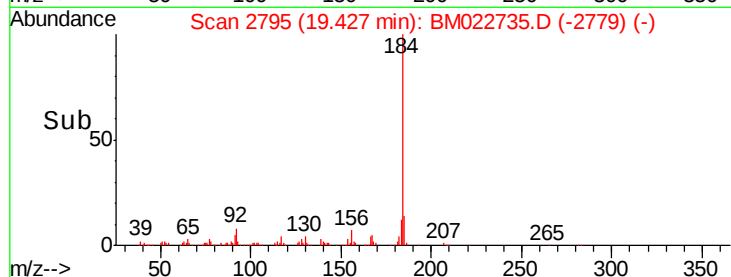
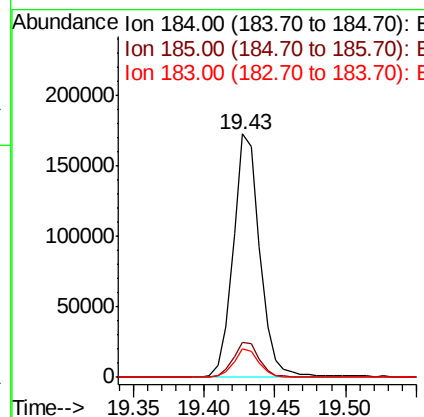
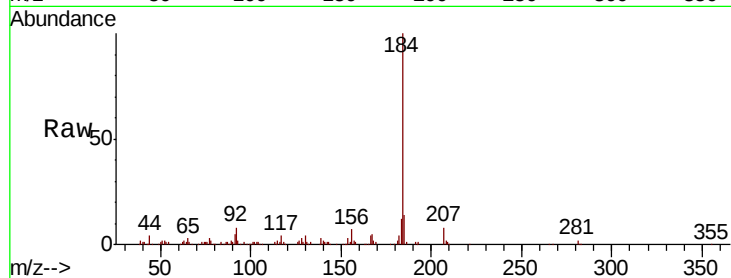
#77
Benzidine
Concen: 8.895 ng
RT: 19.43 min Scan# 2795
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.4	11.6	17.4	
183	11.6	9.1	13.7	

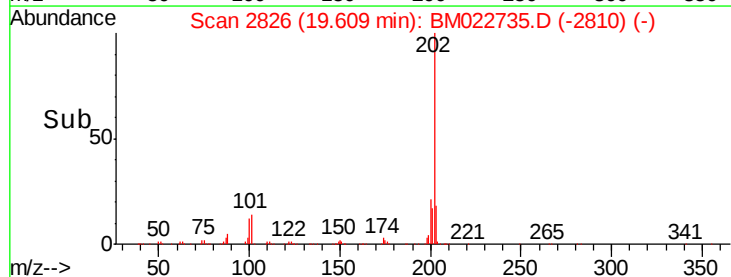
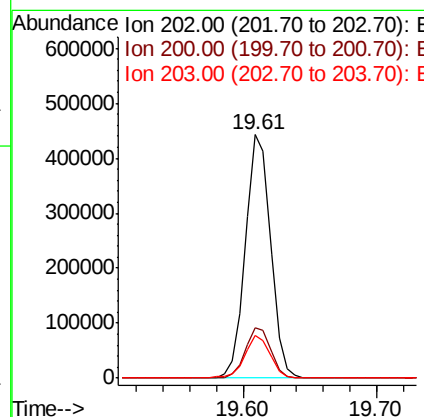
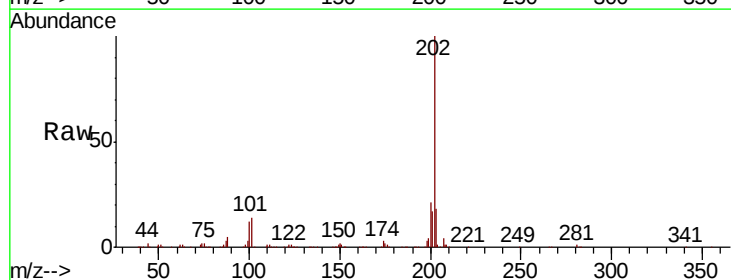
Manual Integrations
APPROVED

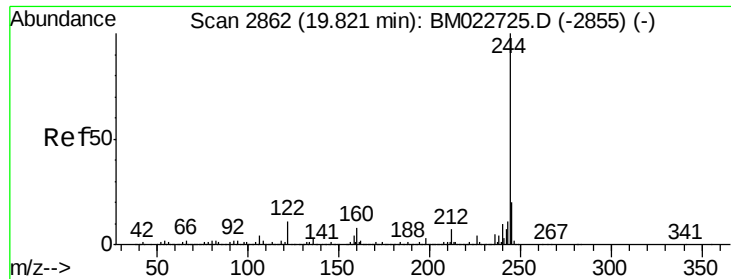
mohammad
9/24/2019 8:34:54 AM



#78
Pyrene
Concen: 9.454 ng
RT: 19.61 min Scan# 2826
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	16.7	25.1	
203	17.7	14.1	21.1	





#79

Terphenyl-d14

Concen: 78.589 ng

RT: 19.82 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT3-2019

Tot Ion:244 Resp: 3771366

Ion Ratio Lower Upper

244 100

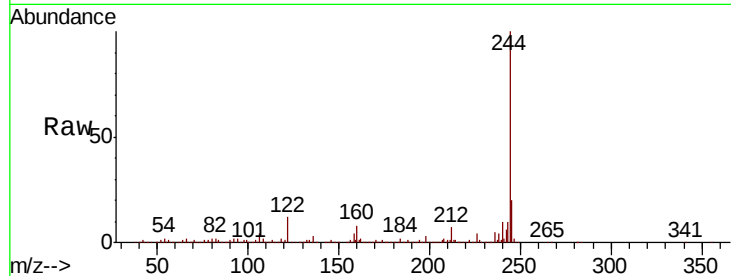
212 7.4 5.9 8.9

122 11.7 9.0 13.4

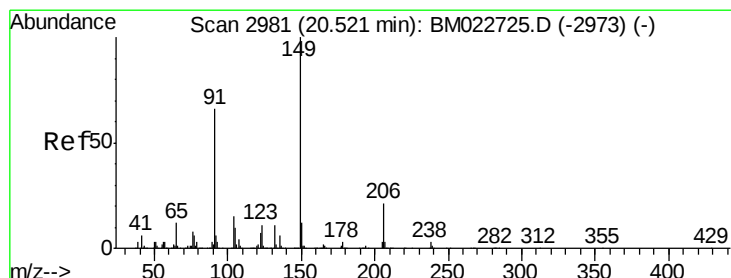
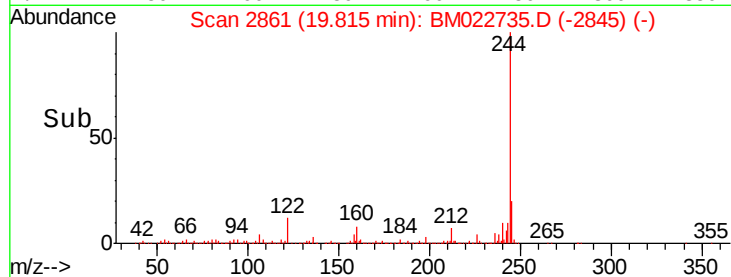
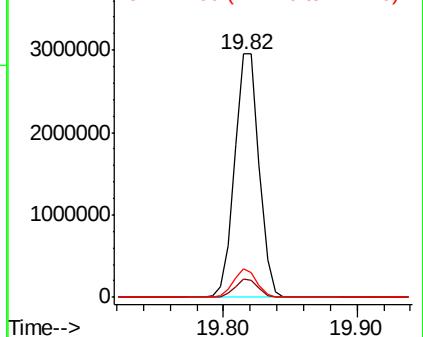
Manual Integrations
APPROVED

mohammad

9/24/2019 8:34:54 AM



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



#80

Butylbenzylphthalate

Concen: 7.335 ng

RT: 20.52 min Scan# 2980

Delta R.T. -0.01 min

Lab File: BM022735.D

Acq: 20 Sep 2019 20:55

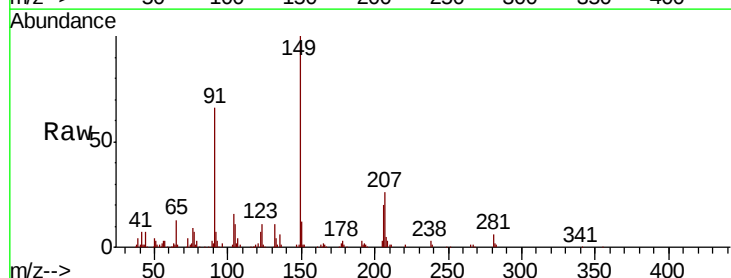
Tgt Ion:149 Resp: 169768

Ion Ratio Lower Upper

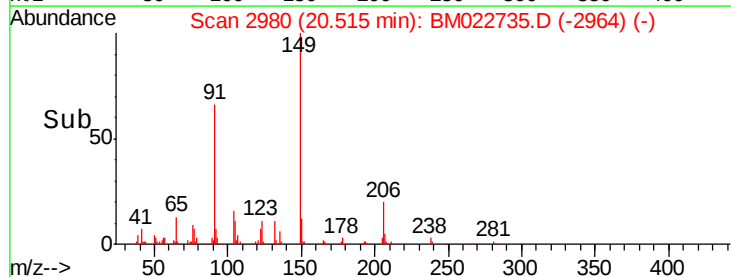
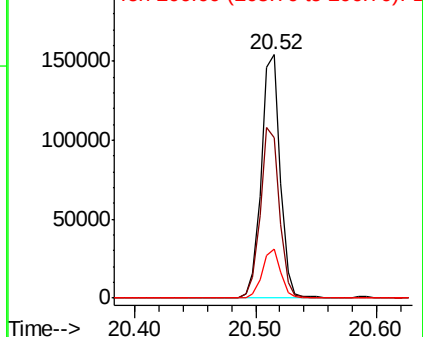
149 100

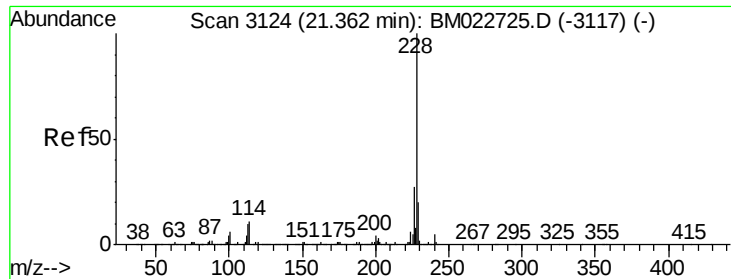
91 65.9 53.0 79.4

206 20.1 16.9 25.3



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





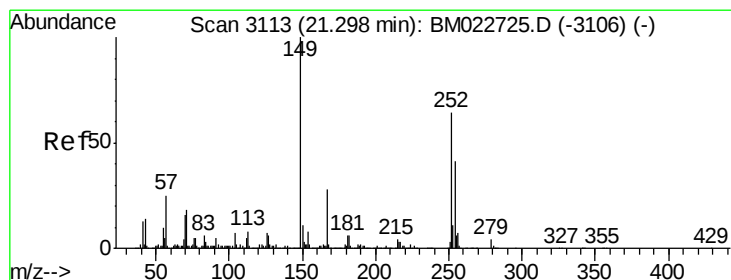
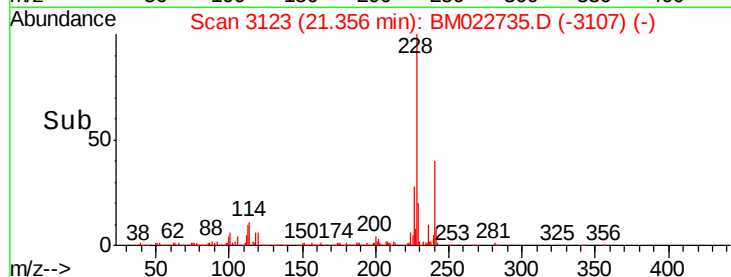
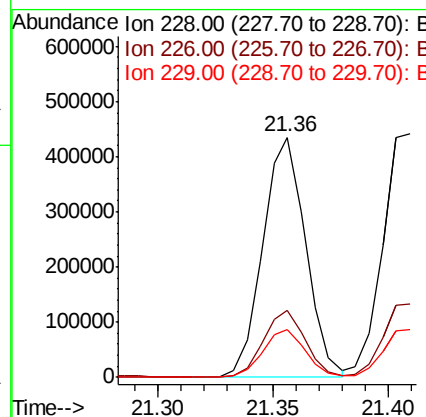
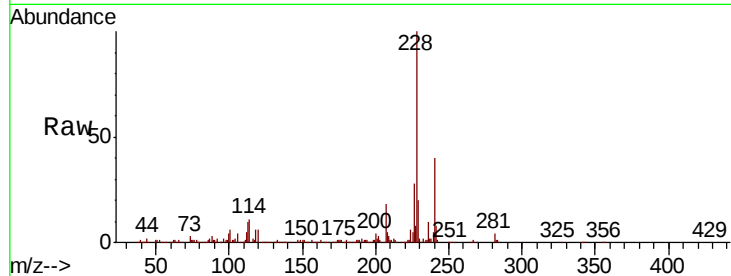
#81
Benzo(a)anthracene
Concen: 9.300 ng
RT: 21.36 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.0	33.0
229	19.7	15.9	23.9

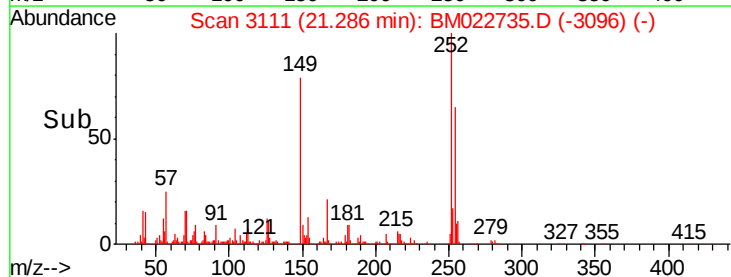
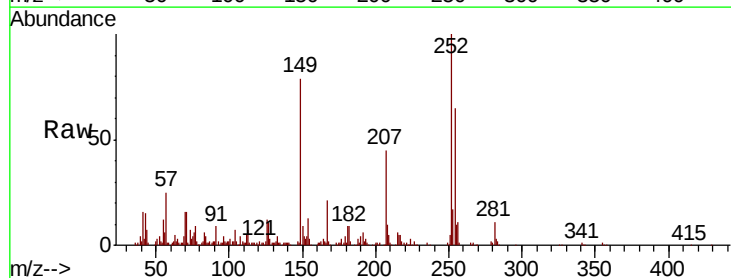
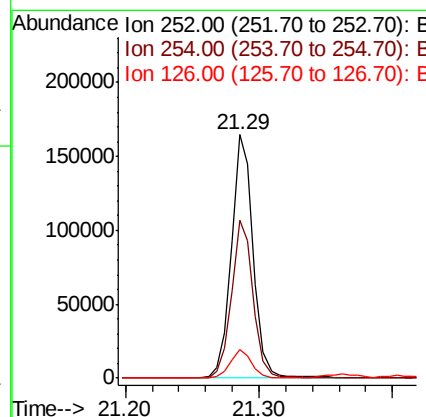
Manual Integrations
APPROVED

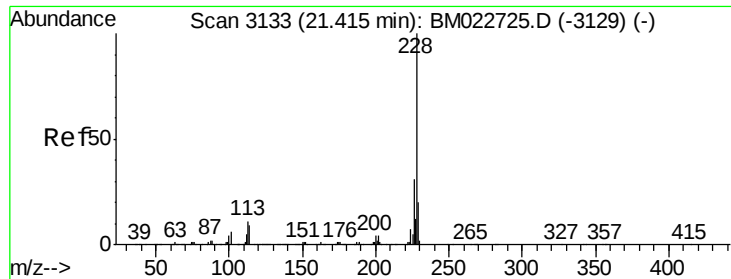
mohammad
9/24/2019 8:34:54 AM



#82
3,3'-Dichlorobenzidine
Concen: 8.875 ng
RT: 21.29 min Scan# 3111
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.8	8.3	12.5





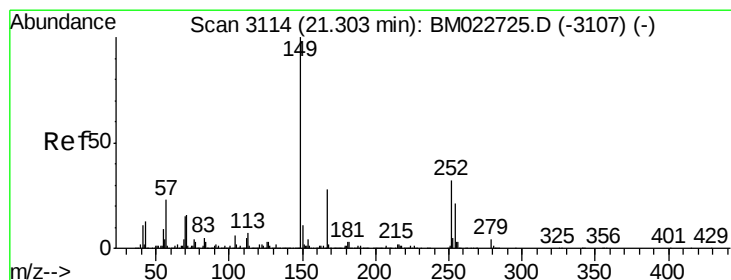
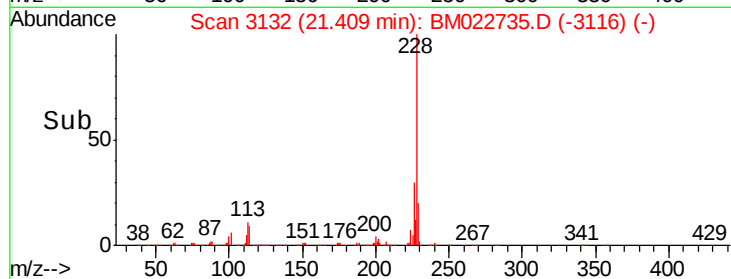
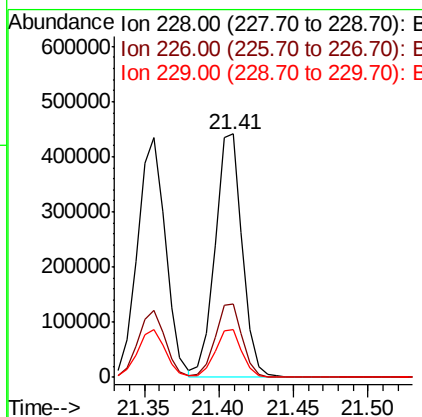
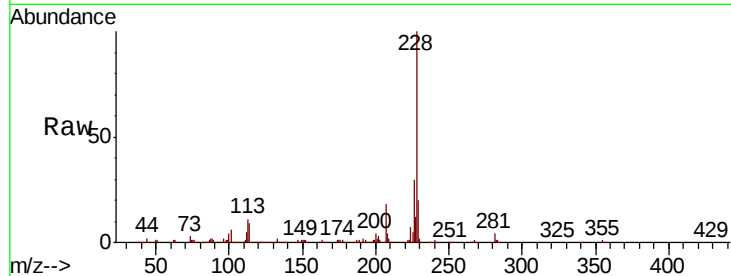
#83
Chrysene
Concen: 9.634 ng
RT: 21.41 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Resp	Lower	Upper
228	100	562486		
226	30.0		24.5	36.7
229	19.6		15.9	23.9

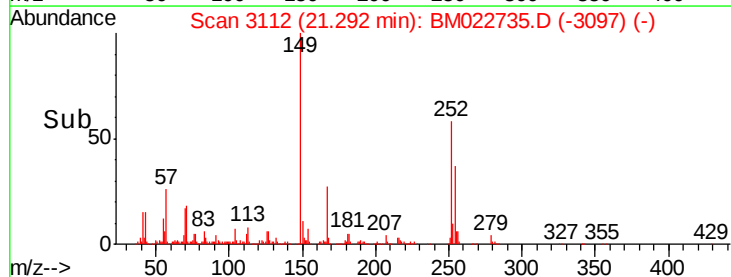
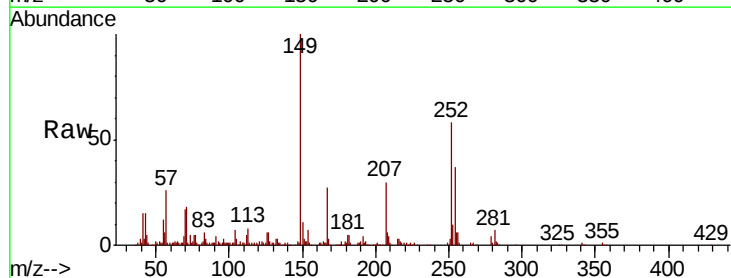
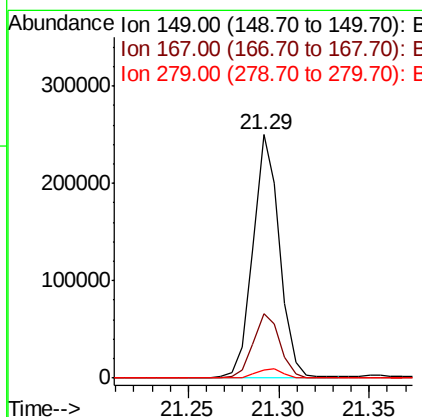
Manual Integrations
APPROVED

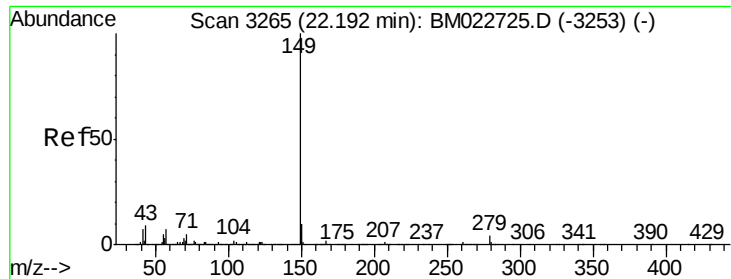
mohammad
9/24/2019 8:34:54 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.338 ng
RT: 21.29 min Scan# 3112
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	251641		
167	26.7		22.1	33.1
279	3.6		3.4	5.0





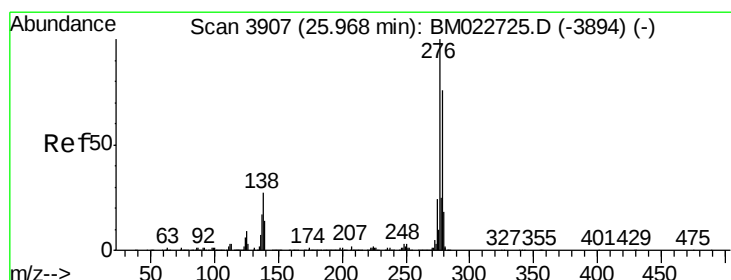
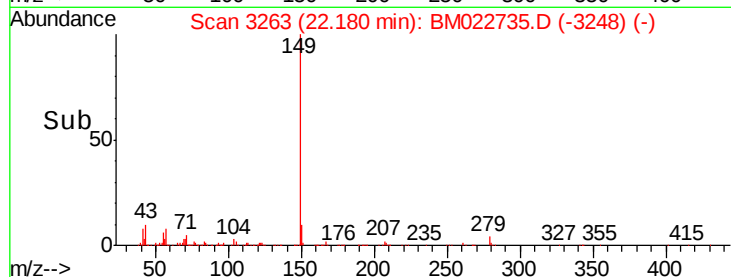
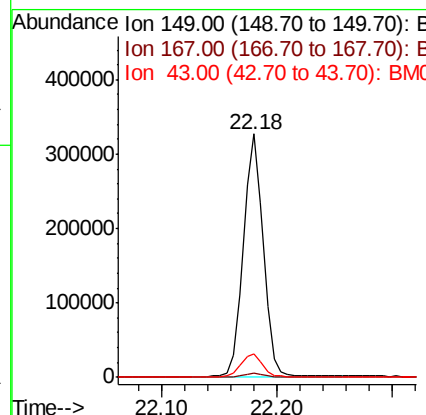
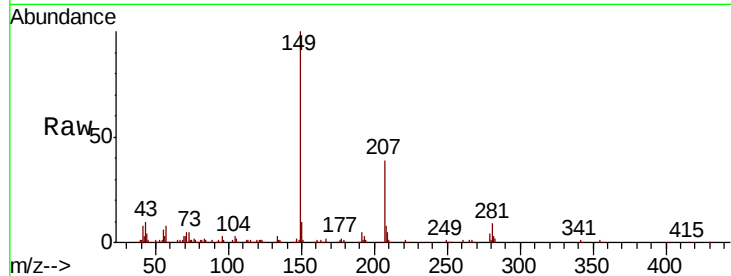
#85
Di-n-octyl phthalate
Concen: 7.045 ng
RT: 22.18 min Scan# 3263
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.2	7.4	11.0

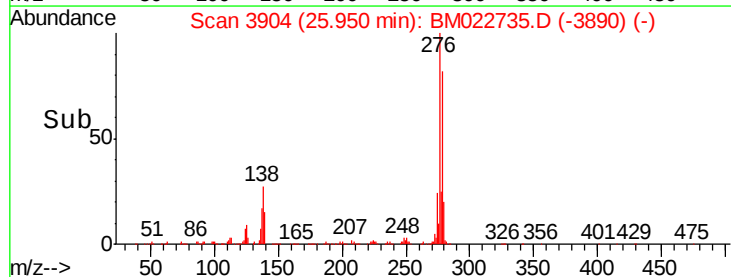
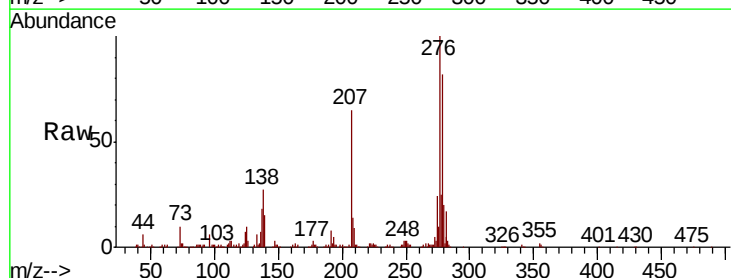
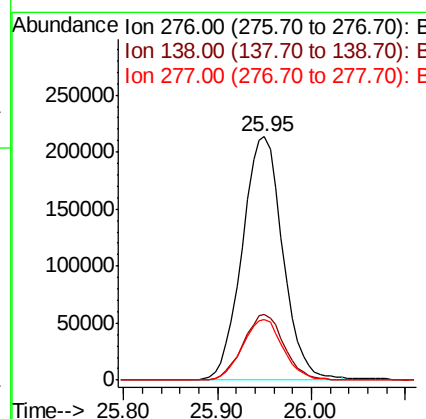
Manual Integrations
APPROVED

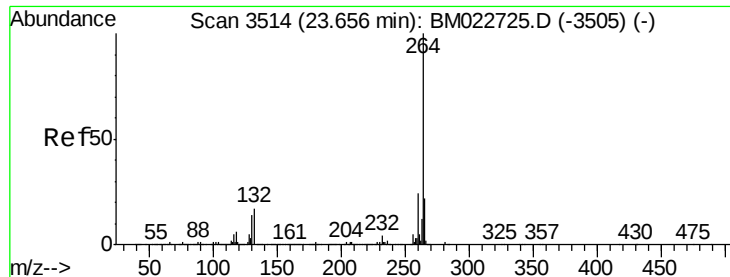
mohammad
9/24/2019 8:34:54 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 9.172 ng
RT: 25.95 min Scan# 3904
Delta R.T. -0.02 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.2	0.0	0.0#
277	25.0	0.0	0.0#





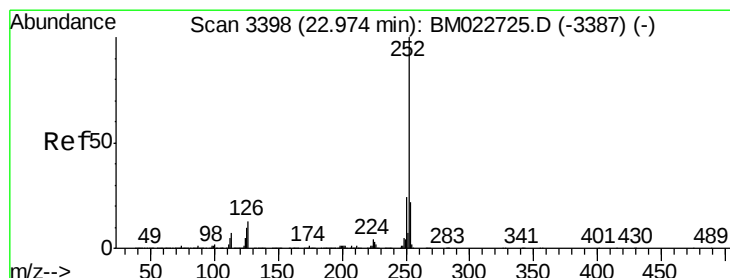
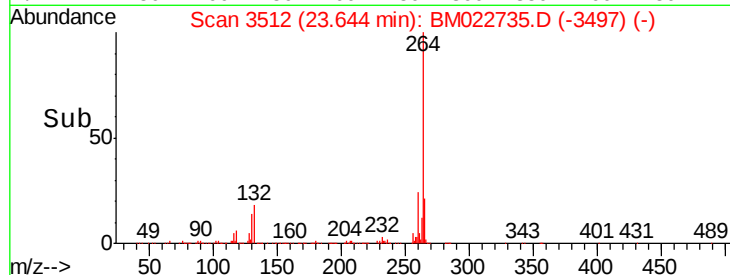
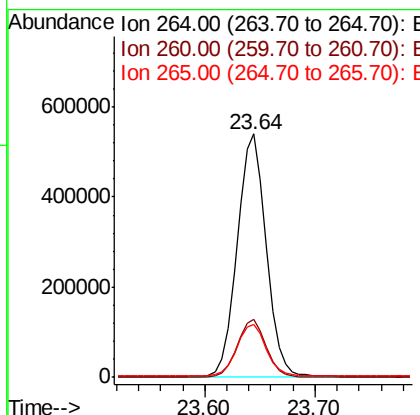
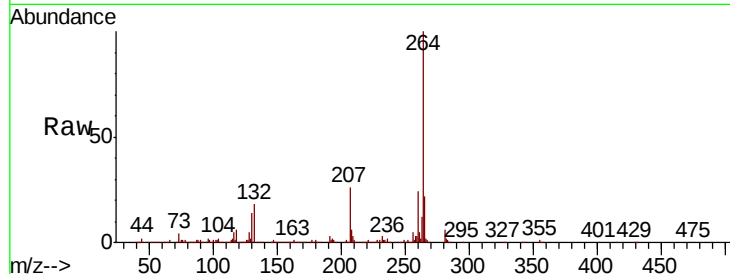
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.9	17.9	26.9

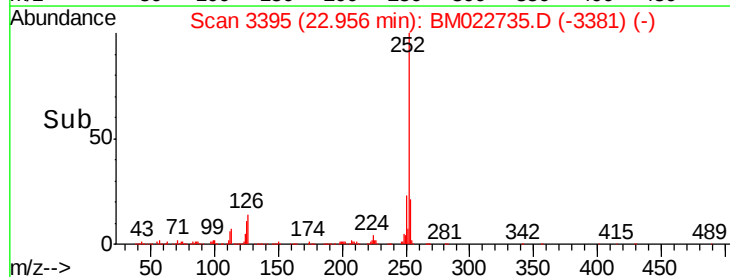
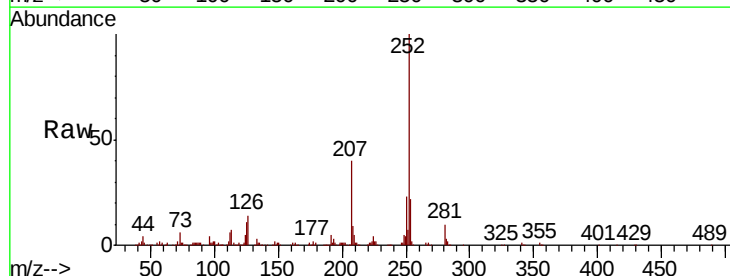
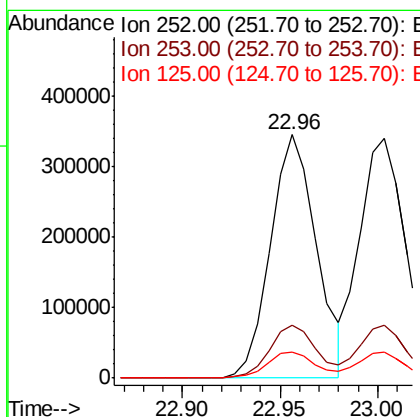
Manual Integrations
APPROVED

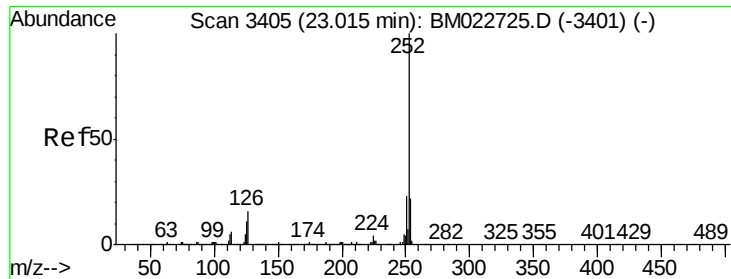
mohammad
9/24/2019 8:34:54 AM



#88
Benzo(b)fluoranthene
Concen: 9.260 ng
RT: 22.96 min Scan# 3395
Delta R.T. -0.02 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	10.9	8.2	12.4





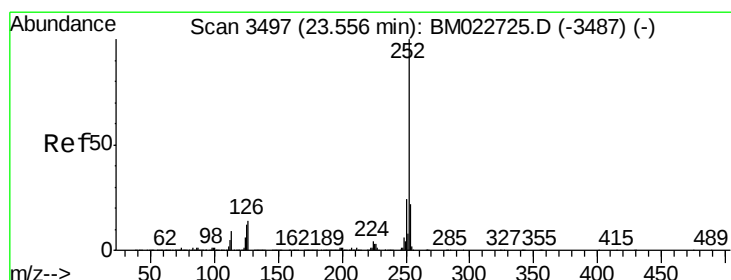
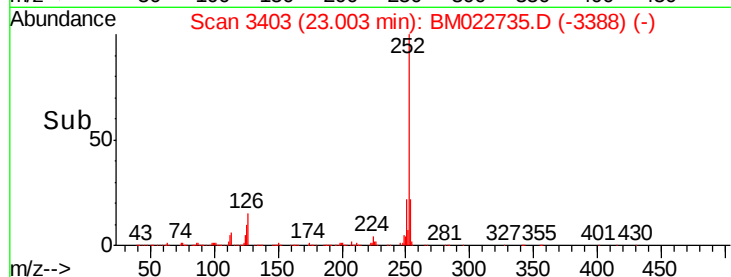
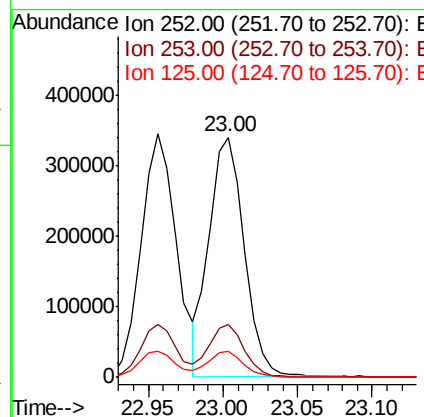
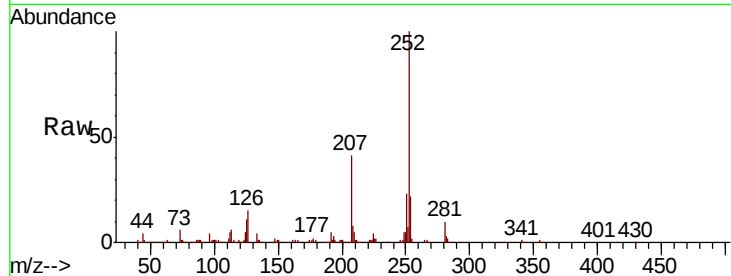
#89
Benzo(k)fluoranthene
Concen: 9.224 ng
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.7	8.5	12.7

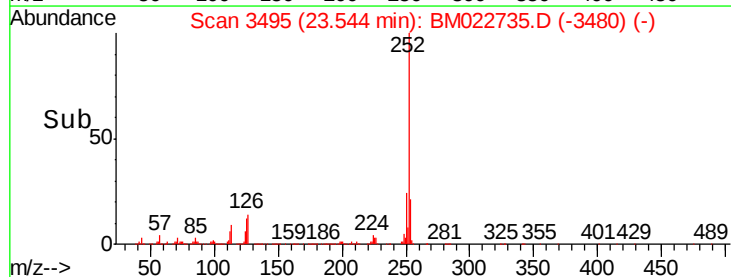
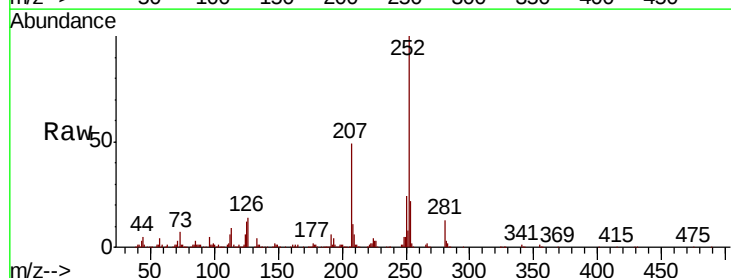
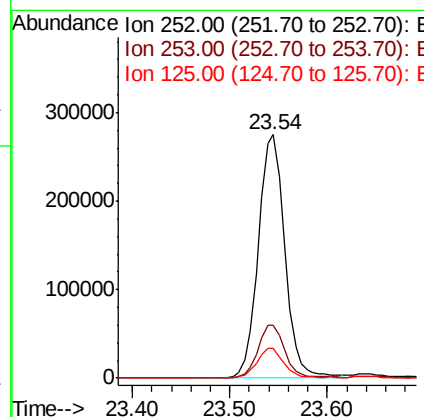
Manual Integrations
APPROVED

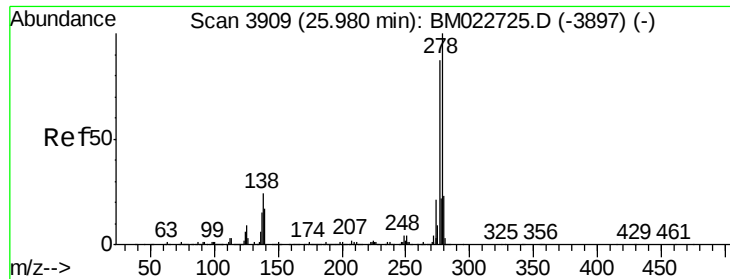
mohammad
9/24/2019 8:34:54 AM



#90
Benzo(a)pyrene
Concen: 9.332 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	12.1	9.3	13.9





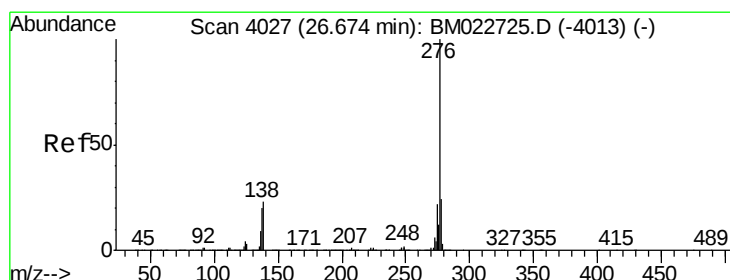
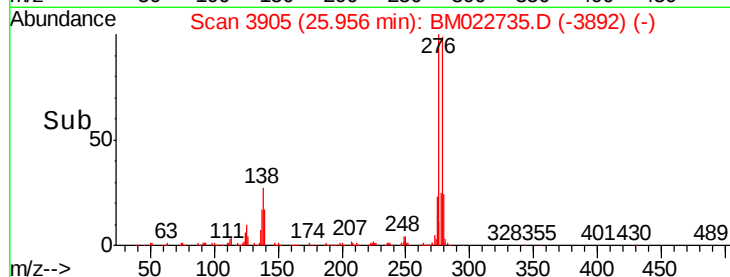
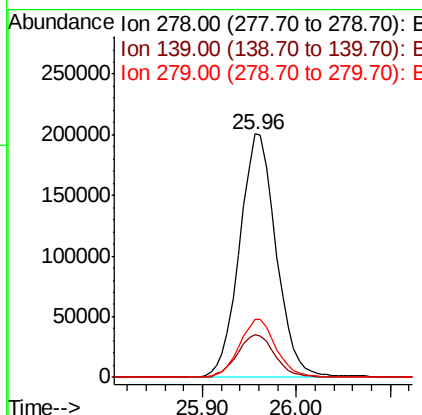
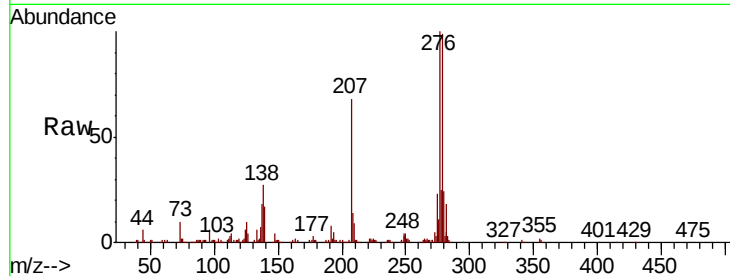
#91
Dibenzo(a,h)anthracene
Concen: 9.283 ng
RT: 25.96 min Scan# 3905
Delta R.T. -0.02 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT3-2019

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.7	20.5
279	23.7	18.6	28.0

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:54 AM



#92
Benzo(g,h,i)perylene
Concen: 9.434 ng
RT: 26.65 min Scan# 4023
Delta R.T. -0.02 min
Lab File: BM022735.D
Acq: 20 Sep 2019 20:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	23.3	18.5	27.7

