

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
 Data File : BM022765.D
 Acq On : 25 Sep 2019 00:30
 Operator : JU
 Sample : K4980-04MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Manual Integrations
 APPROVED

mohammad
 9/26/2019 8:25:46 AM

Quant Time: Sep 25 04:59:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	245451	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	892864	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	473746	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	860238	20.00	ng	0.00
76) Chrysene-d12	21.37	240	844001	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1034979	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1467389	94.81	ng	0.00
7) Phenol-d6	6.99	99	1936644	97.43	ng	0.00
23) Nitrobenzene-d5	8.97	82	1081633	67.25	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	600751	101.58	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2412689	70.13	ng	0.00
79) Terphenyl-d14	19.82	244	2902596	66.59	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	168025	26.981	ng	# 100
3) Pyridine	3.72	79	416264	25.359	ng	100
4) n-Nitrosodimethylamine	3.62	42	199708	33.421	ng	# 95
6) Aniline	7.15	93	603429	25.317	ng	99
8) 2-Chlorophenol	7.39	128	561764	35.626	ng	99
9) Benzaldehyde	6.96	77	365715	32.312	ng	100
10) Phenol	7.02	94	677905	36.225	ng	99
11) bis(2-Chloroethyl)ether	7.25	93	500795	34.061	ng	99
12) 1,3-Dichlorobenzene	7.71	146	620872	32.944	ng	100
13) 1,4-Dichlorobenzene	7.86	146	626078	32.814	ng	100
14) 1,2-Dichlorobenzene	8.17	146	594031	32.657	ng	99
15) Benzyl Alcohol	8.06	79	434765	34.954	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.35	45	669177	31.331	ng	99
17) 2-Methylphenol	8.26	107	432272	34.898	ng	99
18) Hexachloroethane	8.90	117	225045	32.159	ng	100
19) n-Nitroso-di-n-propylamine	8.63	70	373549	33.653	ng	99
20) 3+4-Methylphenols	8.59	107	576234	34.926	ng	99
22) Acetophenone	8.64	105	750257	34.042	ng	99
24) Nitrobenzene	9.02	77	551861	35.859	ng	99
25) Isophorone	9.55	82	982204	37.138	ng	99
26) 2-Nitrophenol	9.73	139	267952	40.332	ng	98
27) 2,4-Dimethylphenol	9.79	122	481232	43.267	ng	99
28) bis(2-Chloroethoxy)methane	10.02	93	645492	35.270	ng	100
29) 2,4-Dichlorophenol	10.26	162	489232	38.906	ng	99
30) 1,2,4-Trichlorobenzene	10.48	180	553704	35.789	ng	99
31) Naphthalene	10.66	128	1653724	37.485	ng	100
32) Benzoic acid	9.90	122	205713	28.647	ng	95
33) 4-Chloroaniline	10.77	127	359728	18.780	ng	100
34) Hexachlorobutadiene	10.96	225	331372	35.931	ng	99
35) Caprolactam	11.55	113	131825m	35.361	ng	
36) 4-Chloro-3-methylphenol	11.89	107	455316	37.113	ng	98
37) 2-Methylnaphthalene	12.27	142	1162803	37.866	ng	99
38) 1-Methylnaphthalene	12.50	142	1078173	36.988	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	584601	36.418	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
 Data File : BM022765.D
 Acq On : 25 Sep 2019 00:30
 Operator : JU
 Sample : K4980-04MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

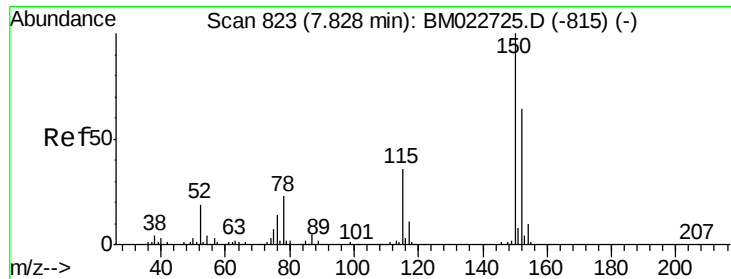
Manual Integrations
 APPROVED

mohammad
 9/26/2019 8:25:46 AM

Quant Time: Sep 25 04:59:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.63	237	483786	55.237	nq	98
43) 2,4,6-Trichlorophenol	12.89	196	368280	39.750	nq	100
44) 2,4,5-Trichlorophenol	12.96	196	385030	39.880	nq	99
46) 1,1'-Biphenyl	13.29	154	1399126	35.684	nq	100
47) 2-Chloronaphthalene	13.33	162	1066283	36.487	nq	99
48) 2-Nitroaniline	13.53	65	272055	35.751	nq	98
49) Acenaphthylene	14.17	152	1775718	41.032	nq	100
50) Dimethylphthalate	13.91	163	1475953	43.111	nq	100
51) 2,6-Dinitrotoluene	14.02	165	265019	37.007	nq	97
52) Acenaphthene	14.52	154	1065287	37.626	nq	100
53) 3-Nitroaniline	14.35	138	178068	21.599	nq	99
54) 2,4-Dinitrophenol	14.56	184	149739	42.189	nq	95
55) Dibenzofuran	14.85	168	1514962	36.652	nq	99
56) 4-Nitrophenol	14.66	139	469471	74.087	nq	97
57) 2,4-Dinitrotoluene	14.81	165	345870	36.866	nq	99
58) Fluorene	15.50	166	1233148	36.714	nq	100
59) 2,3,4,6-Tetrachlorophenol	15.08	232	316417	37.579	nq	98
60) Diethylphthalate	15.27	149	1176041	35.328	nq	100
61) 4-Chlorophenyl-phenylether	15.50	204	611840	35.452	nq	100
62) 4-Nitroaniline	15.51	138	272700	31.550	nq	98
63) Azobenzene	15.79	77	1054752	35.085	nq	99
65) 4,6-Dinitro-2-methylphenol	15.57	198	117376	30.039	nq	98
66) n-Nitrosodiphenylamine	15.71	169	1036363	39.435	nq	99
67) 4-Bromophenyl-phenylether	16.39	248	368703	38.535	nq	100
68) Hexachlorobenzene	16.51	284	402040	36.032	nq	96
69) Atrazine	16.66	200	304830	35.681	nq	100
70) Pentachlorophenol	16.84	266	491843	82.654	nq	99
71) Phenanthrene	17.23	178	2003114	41.268	nq	100
72) Anthracene	17.33	178	1887808	40.130	nq	99
73) Carbazole	17.59	167	1629308	37.219	nq	99
74) Di-n-butylphthalate	18.16	149	1899478	38.268	nq	100
75) Fluoranthene	19.25	202	2260160	41.264	nq	98
77) Benzidine	19.43	184	1143251	49.376	nq	99
78) Pyrene	19.61	202	2513382	45.441	nq	100
80) Butylbenzylphthalate	20.51	149	833302	39.641	nq	99
81) Benzo(a)anthracene	21.35	228	2272816	41.550	nq	99
82) 3,3'-Dichlorobenzidine	21.29	252	682393	35.177	nq	99
83) Chrysene	21.40	228	2161991	40.768	nq	99
84) Bis(2-ethylhexyl)phthalate	21.29	149	1236633	39.703	nq	100
85) Di-n-octyl phthalate	22.17	149	2119054	42.688	nq	98
86) Indeno(1,2,3-cd)pyrene	25.96	276	2938070	46.418	nq	# 100
88) Benzo(b)fluoranthene	22.96	252	2500981	39.910	nq	100
89) Benzo(k)fluoranthene	23.00	252	2258116	36.317	nq	99
90) Benzo(a)pyrene	23.54	252	2453201	42.485	nq	100
91) Dibenzo(a,h)anthracene	25.97	278	2349973	38.907	nq	98
92) Benzo(g,h,i)perylene	26.66	276	2476336	43.166	nq	98

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



#1

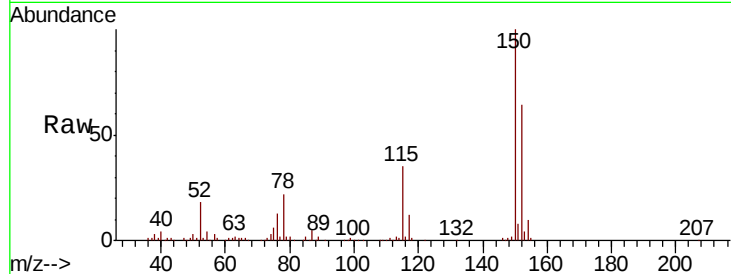
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.5	186.7
115	55.2	45.0	67.4

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM

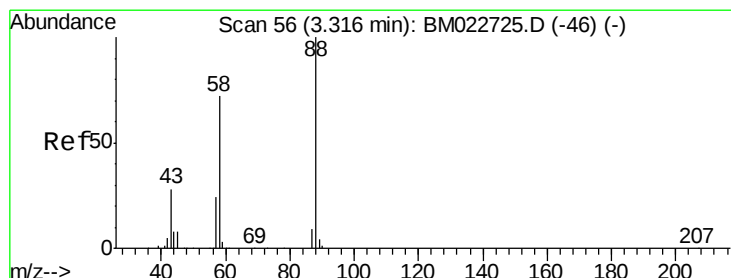
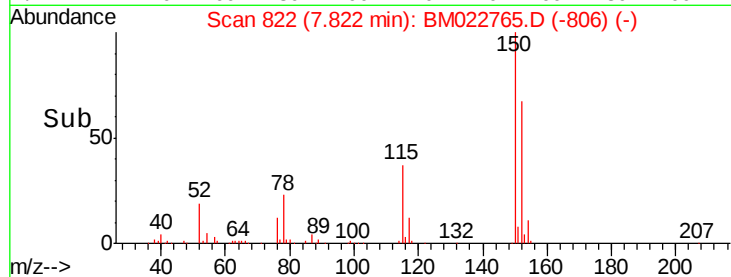
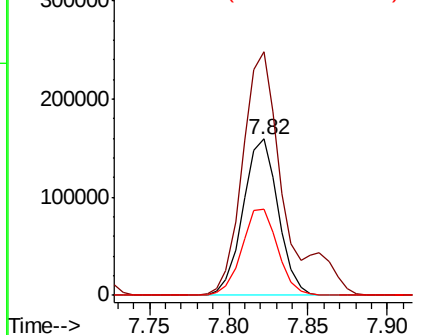


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

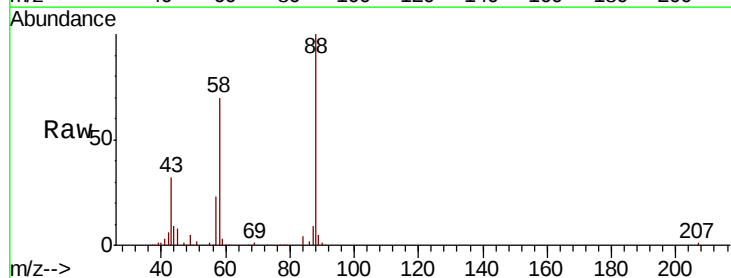
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 26.981 ng
RT: 3.32 min Scan# 56
Delta R.T. -0.00 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.0	0.0	0.0#
43	27.8	0.0	0.0#

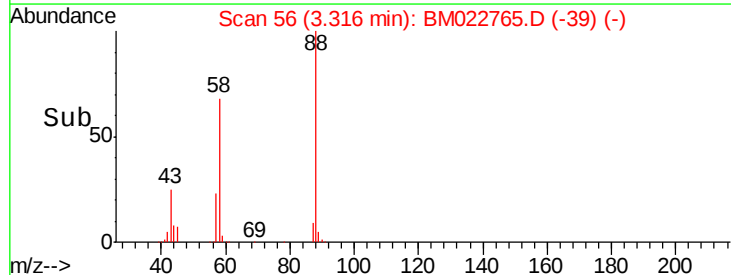
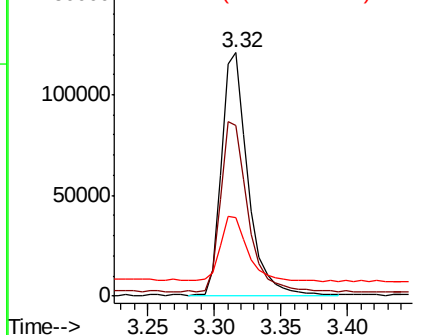


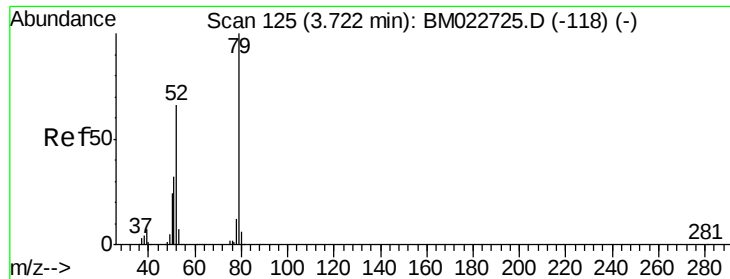
Abundance

Ion 88.00 (87.70 to 88.70): BMC

Ion 58.00 (57.70 to 58.70): BMC

Ion 43.00 (42.70 to 43.70): BMC





#3

Pvridine

Concen: 25.359 ng

RT: 3.72 min Scan# 124

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

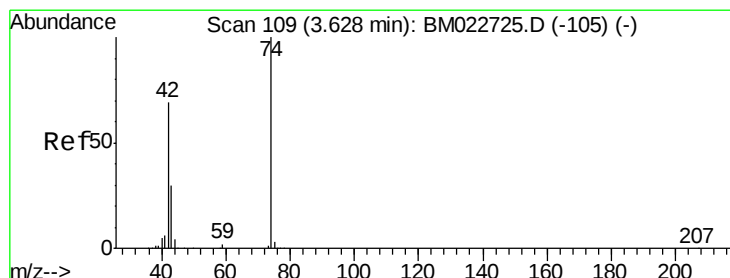
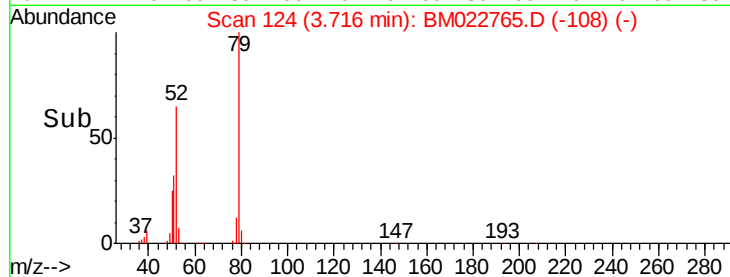
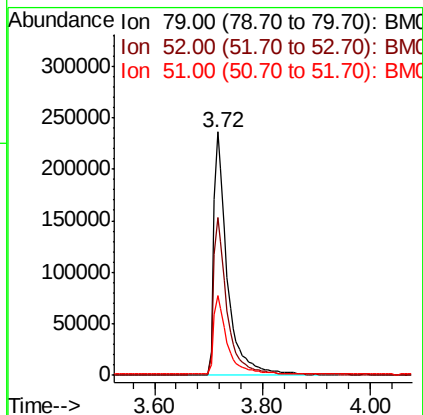
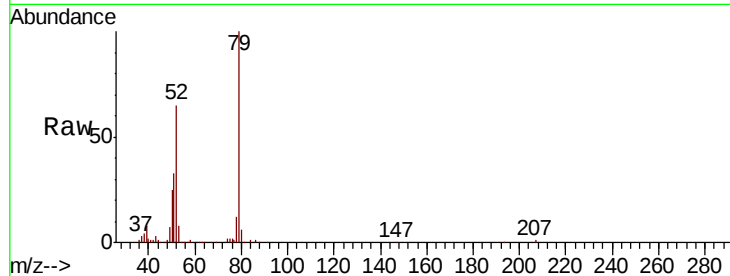
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:	79	Resp:	416264
Ion	Ratio	Lower	Upper
79	100		
52	65.0	52.4	78.6
51	32.8	26.2	39.4

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#4

n-Nitrosodimethylamine

Concen: 33.421 ng

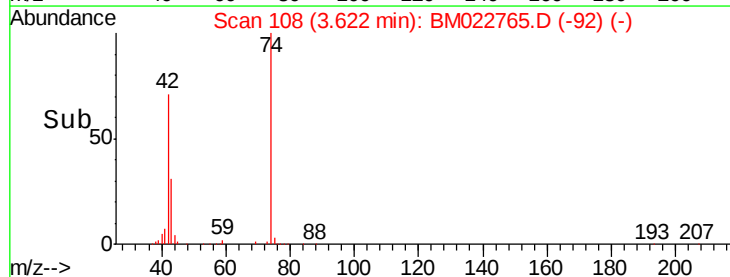
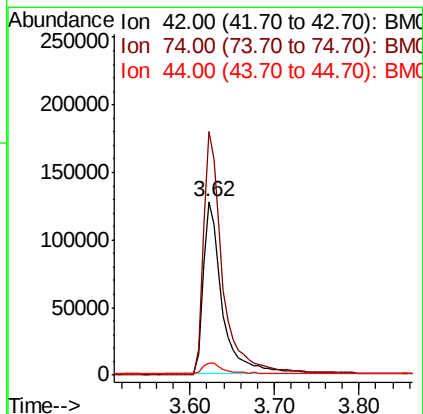
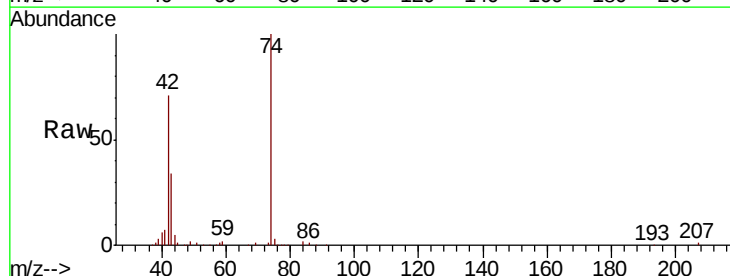
RT: 3.62 min Scan# 108

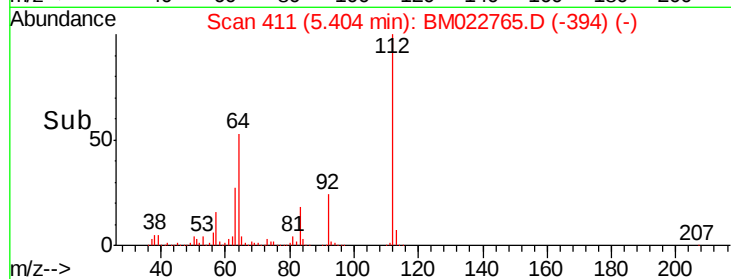
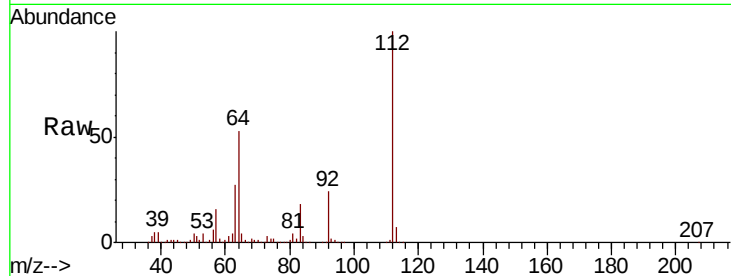
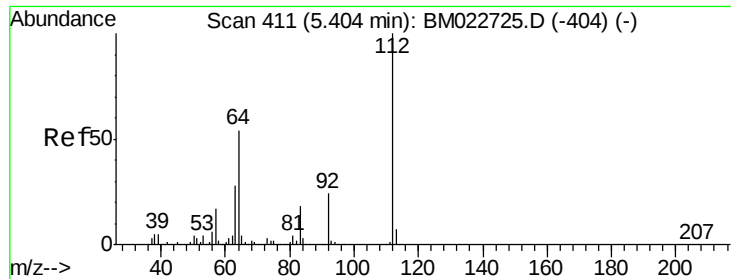
Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:	42	Resp:	199708
Ion	Ratio	Lower	Upper
42	100		
74	140.2	116.6	175.0
44	7.0	8.2	12.4#





#5

2-Fluorophenol

Concen: 94.814 ng

RT: 5.40 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

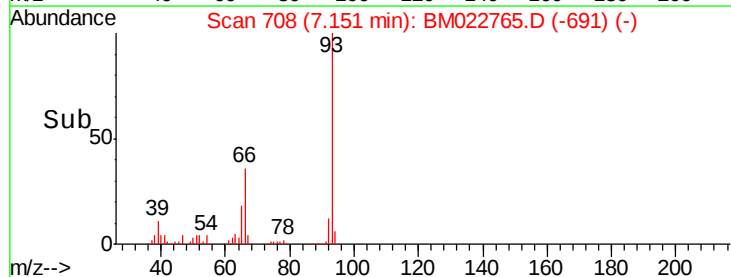
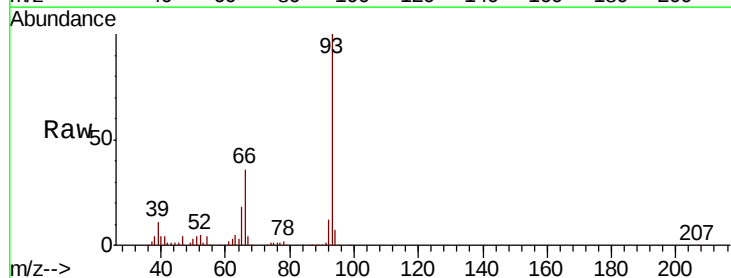
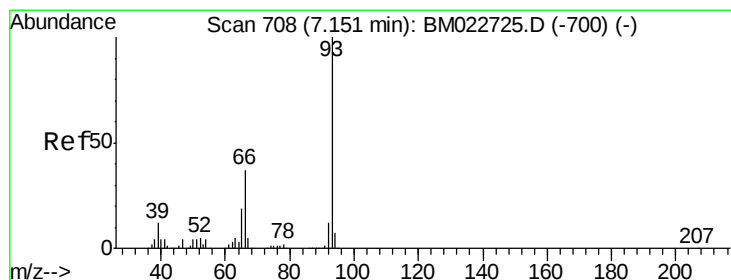
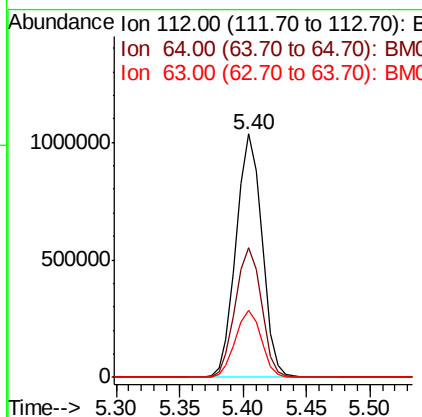
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:	112	Resp:	1467389
Ion	Ratio	Lower	Upper
112	100		
64	53.3	43.4	65.2
63	27.3	22.1	33.1

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#6

Aniline

Concen: 25.317 ng

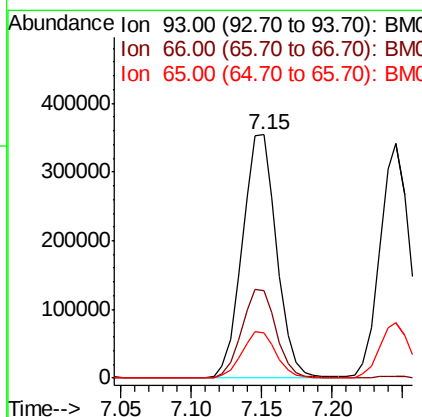
RT: 7.15 min Scan# 708

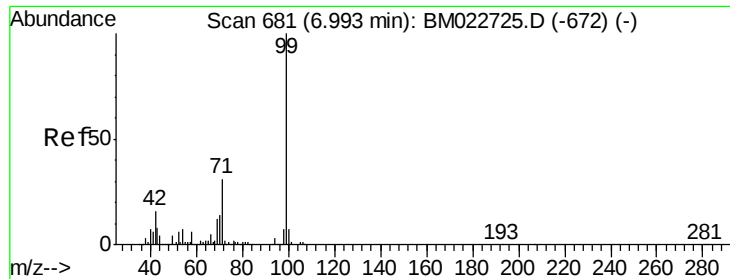
Delta R.T. -0.00 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:	93	Resp:	603429
Ion	Ratio	Lower	Upper
93	100		
66	35.9	29.3	43.9
65	18.5	15.3	22.9





#7

Phenol-d6

Concen: 97.428 ng

RT: 6.99 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion: 99 Resp: 1936644

Ion Ratio Lower Upper

99 100

42 15.8 13.0 19.4

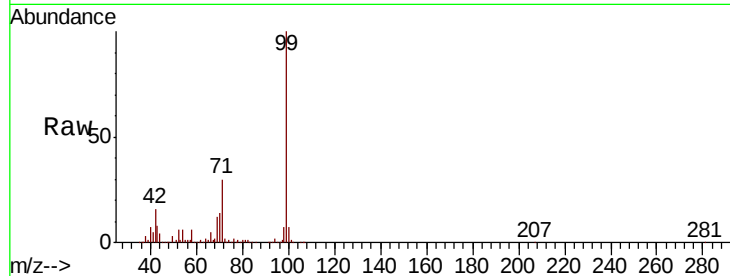
71 30.4 24.7 37.1

Manual Integrations

APPROVED

mohammad

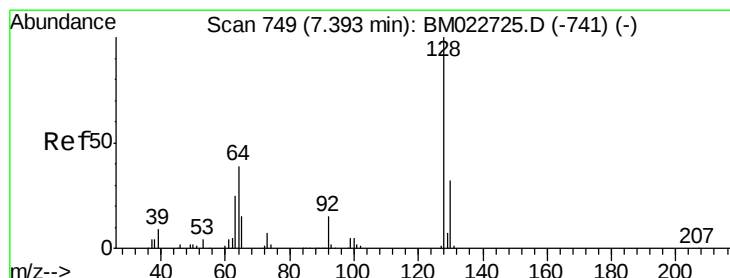
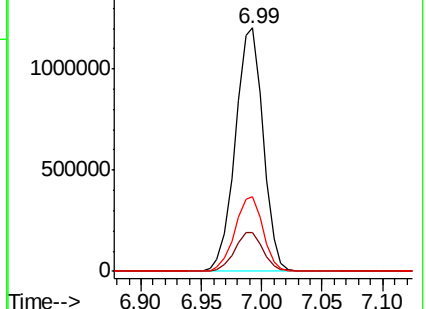
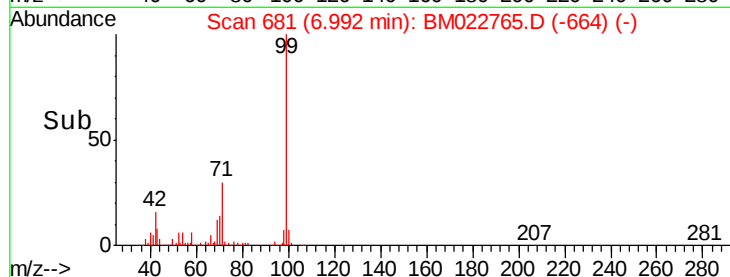
9/26/2019 8:25:46 AM



Abundance Ion 99.00 (98.70 to 99.70): BM022765.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM022765.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM022765.D (-664) (-)



#8

2-Chlorophenol

Concen: 35.626 ng

RT: 7.39 min Scan# 748

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

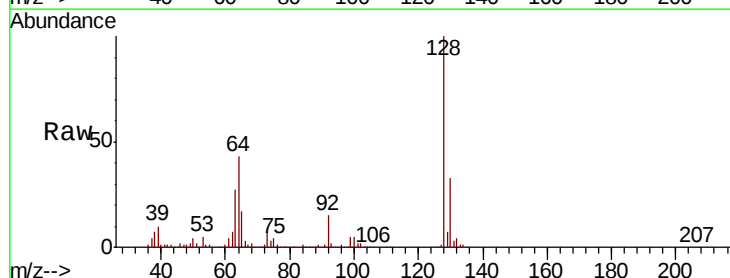
Tgt Ion: 128 Resp: 561764

Ion Ratio Lower Upper

128 100

130 33.1 12.1 52.1

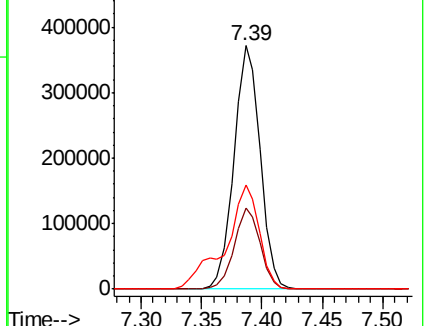
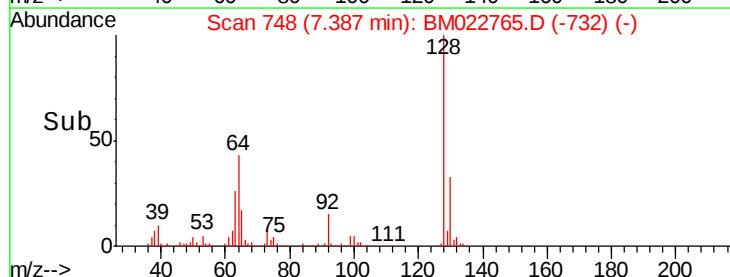
64 42.5 22.9 62.9

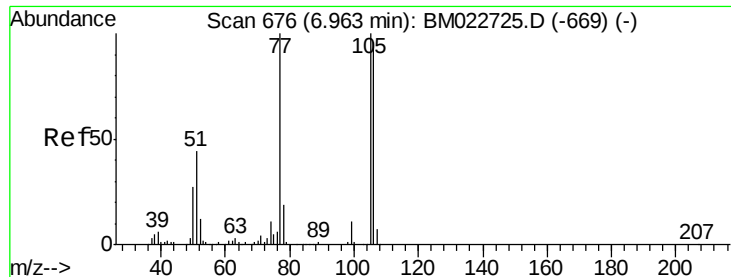


Abundance Ion 128.00 (127.70 to 128.70): BM022765.D (-732) (-)

Ion 130.00 (129.70 to 130.70): BM022765.D (-732) (-)

Ion 64.00 (63.70 to 64.70): BM022765.D (-732) (-)





#9

Benzaldehyde

Concen: 32.312 ng

RT: 6.96 min Scan# 675

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

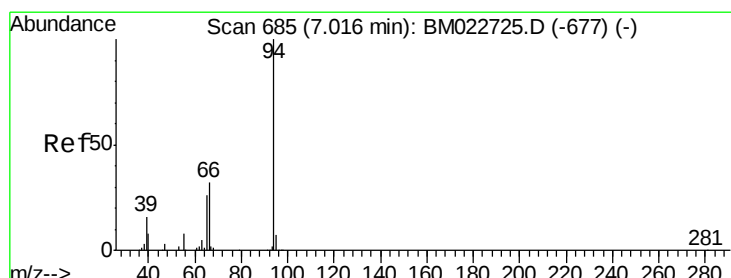
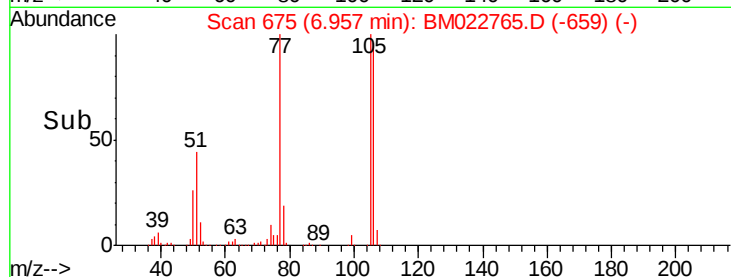
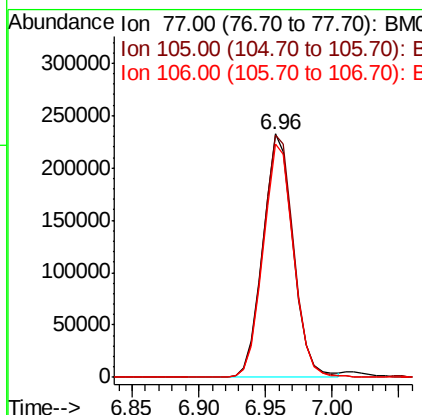
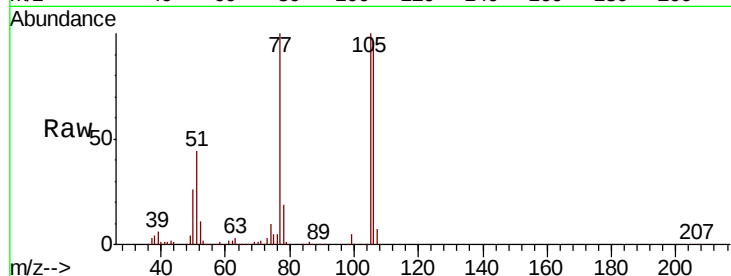
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:	77	Resp:	365715
Ion	Ratio	Lower	Upper
77	100		
105	99.6	79.6	119.6
106	95.7	76.3	116.3

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#10

Phenol

Concen: 36.225 ng

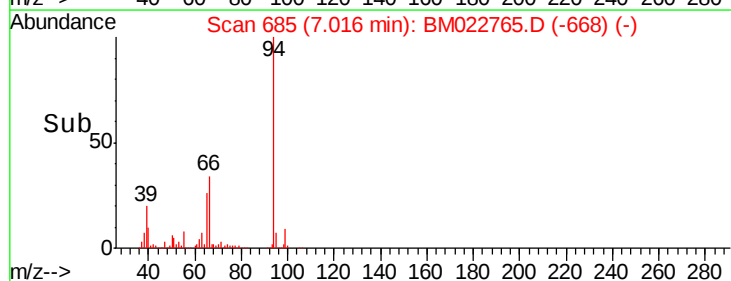
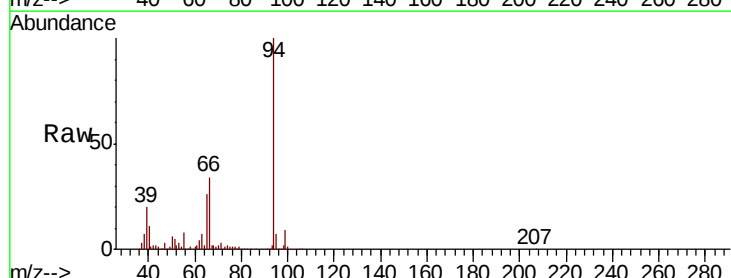
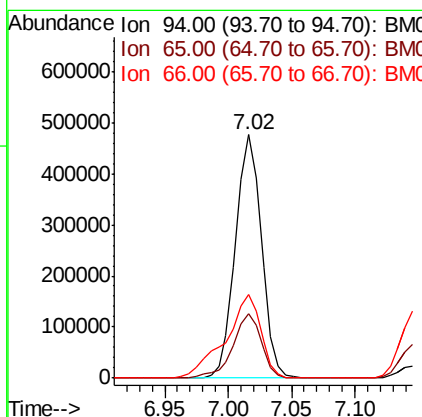
RT: 7.02 min Scan# 685

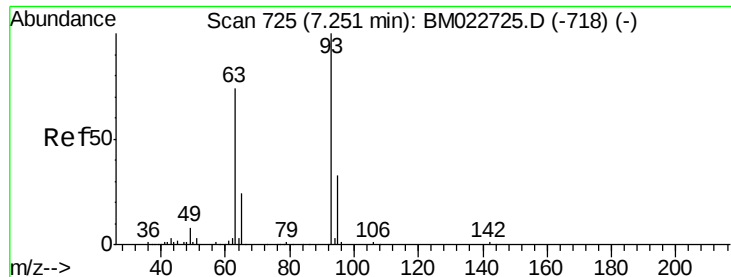
Delta R.T. -0.00 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:	94	Resp:	677905
Ion	Ratio	Lower	Upper
94	100		
65	26.3	6.7	46.7
66	34.2	13.8	53.8





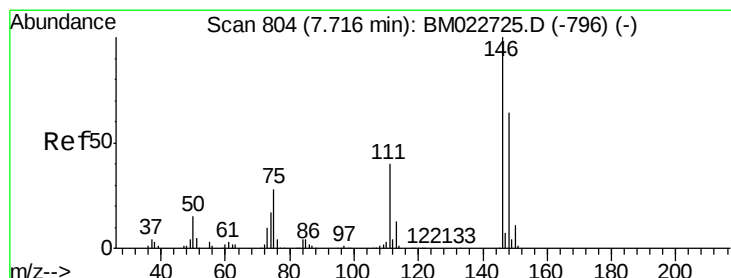
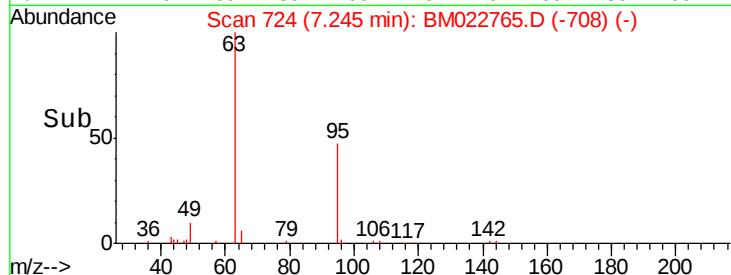
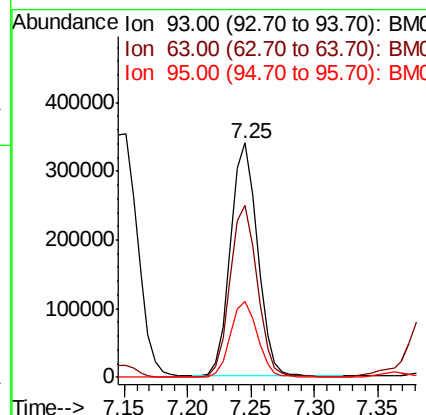
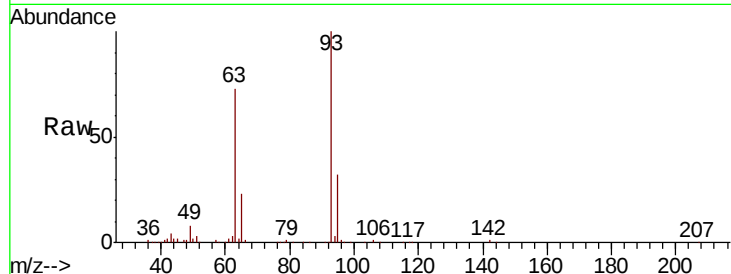
#11
bis(2-Chloroethyl)ether
Concen: 34.061 ng
RT: 7.25 min Scan# 724
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	500795		
63	73.2	53.8	93.8	
95	32.3	12.7	52.7	

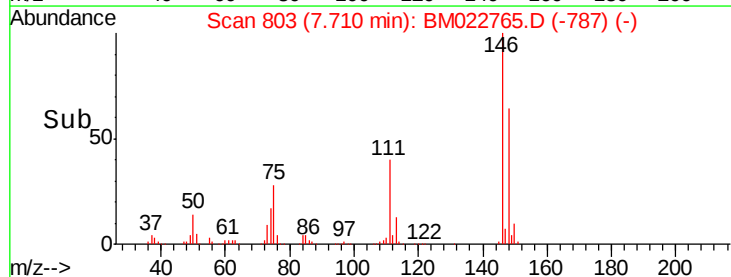
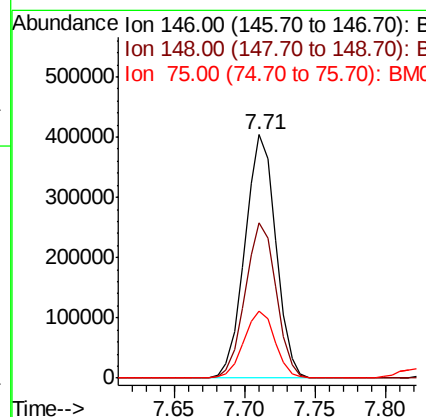
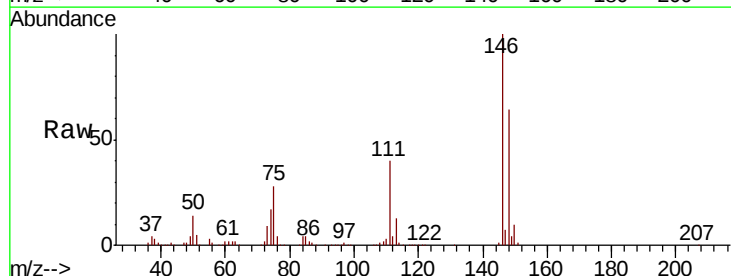
Manual Integrations
APPROVED

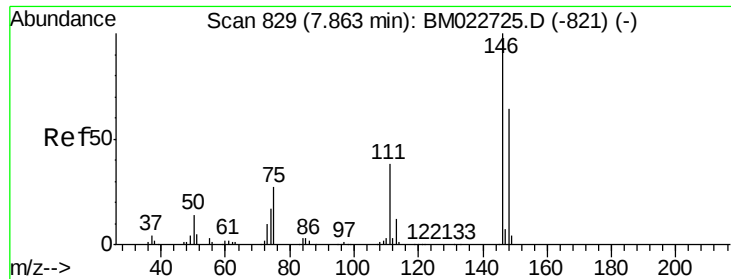
mohammad
9/26/2019 8:25:46 AM



#12
1,3-Dichlorobenzene
Concen: 32.944 ng
RT: 7.71 min Scan# 803
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	620872		
148	63.9	51.3	76.9	
75	27.6	22.5	33.7	





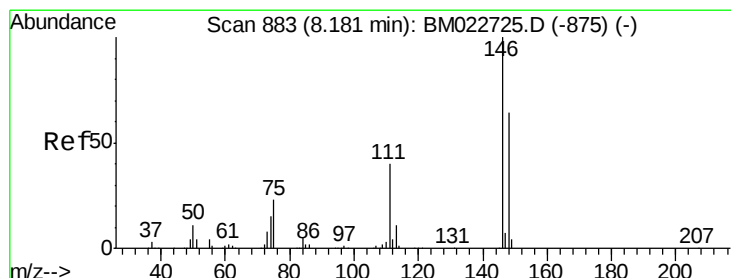
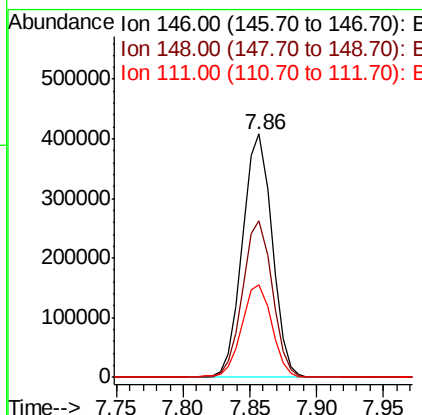
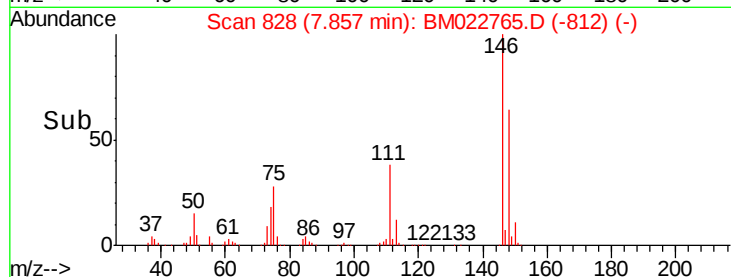
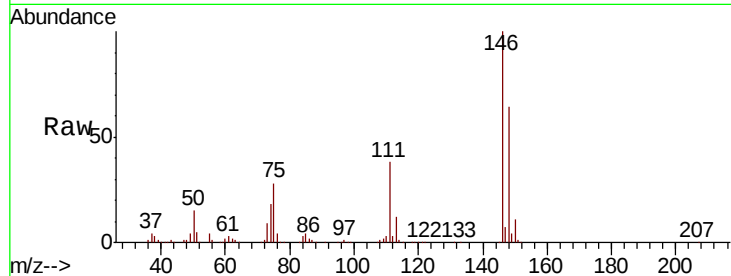
#13
 1,4-Dichlorobenzene
 Concen: 32.814 ng
 RT: 7.86 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
111	38.2	30.9	46.3

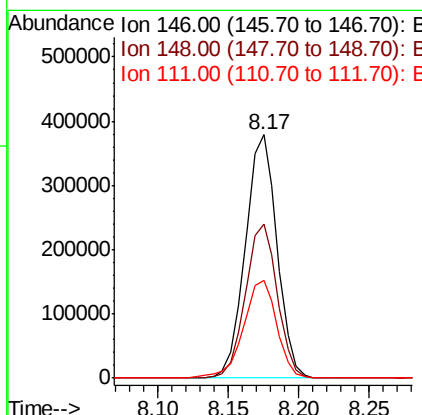
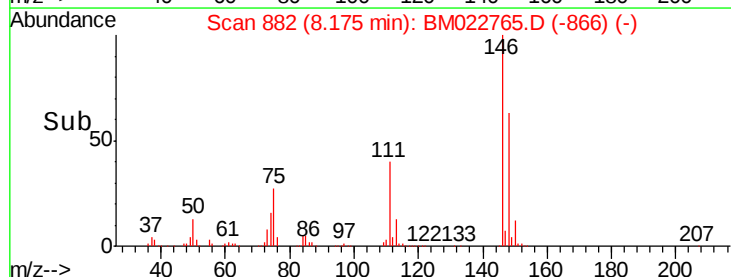
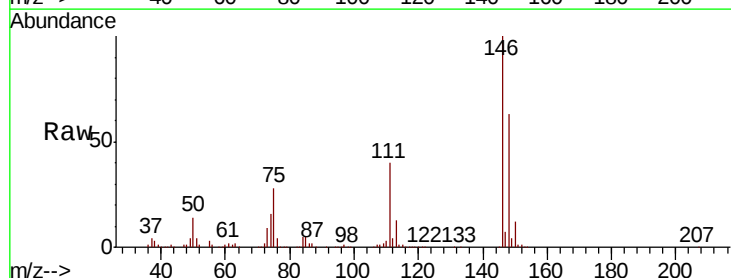
Manual Integrations
 APPROVED

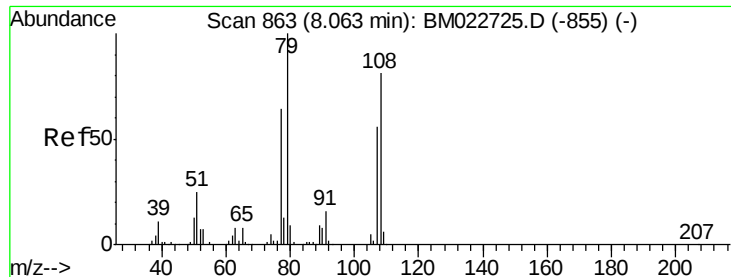
mohammad
 9/26/2019 8:25:46 AM



#14
 1,2-Dichlorobenzene
 Concen: 32.657 ng
 RT: 8.17 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.3	76.9
111	40.0	32.3	48.5





#15

Benzyl Alcohol

Concen: 34.954 ng

RT: 8.06 min Scan# 862

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

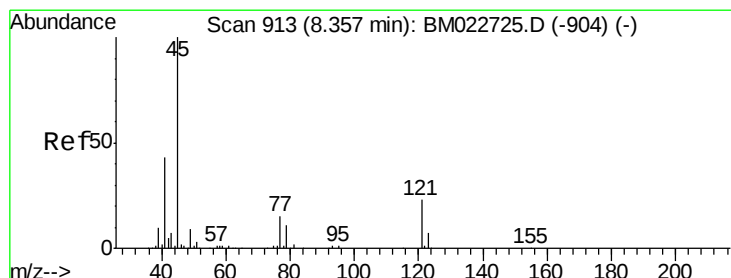
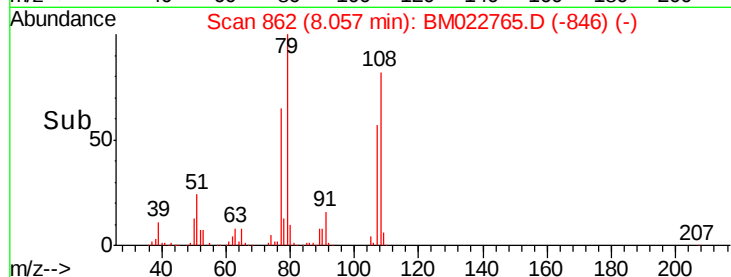
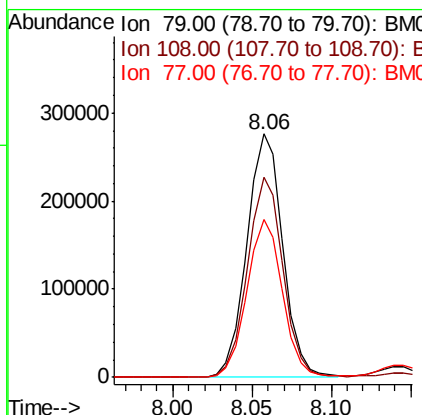
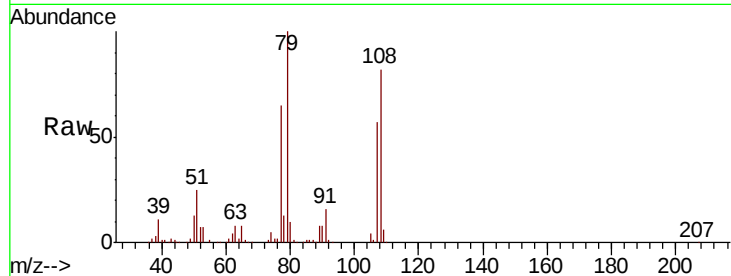
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:	79	Resp:	434765
Ion Ratio	Lower	Upper	
79	100		
108	82.3	64.9	97.3
77	64.7	51.1	76.7

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#16

2,2'-oxybis(1-chloropropane)

Concen: 31.331 ng

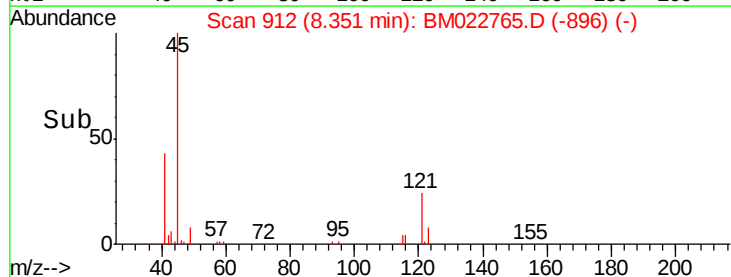
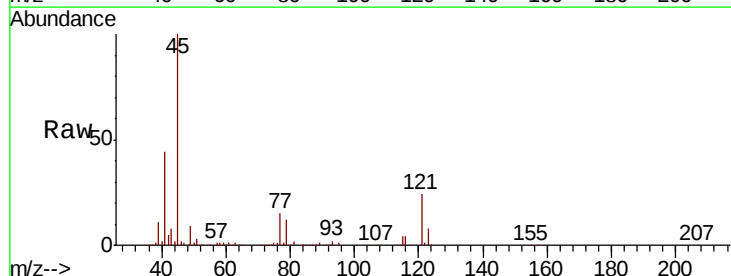
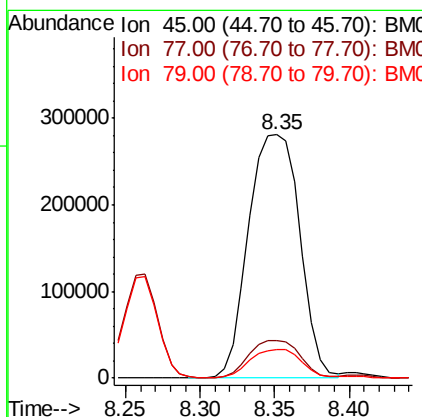
RT: 8.35 min Scan# 912

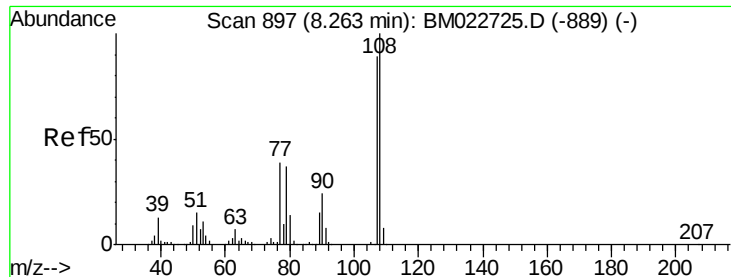
Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:	45	Resp:	669177
Ion Ratio	Lower	Upper	
45	100		
77	15.5	0.0	35.1
79	11.9	0.0	31.4





#17

2-Methylphenol

Concen: 34.898 ng

RT: 8.26 min Scan# 897

Delta R.T. -0.00 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

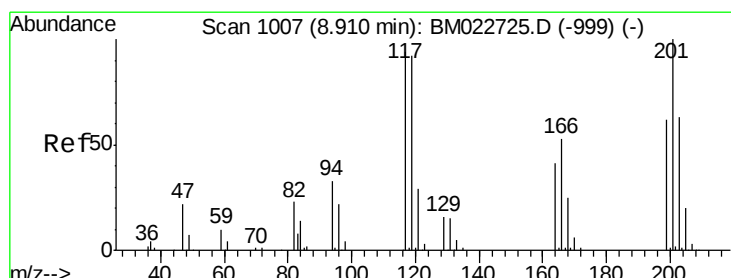
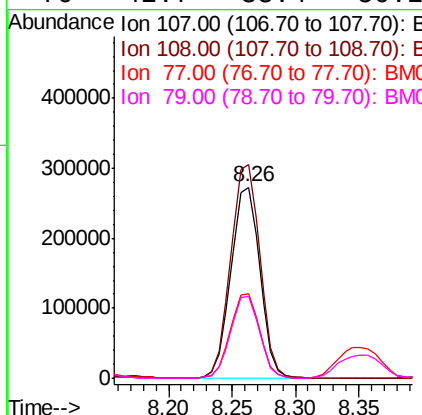
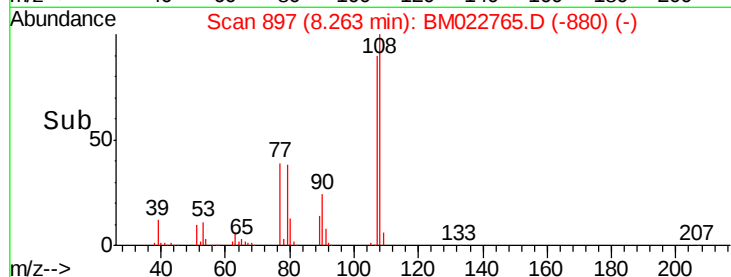
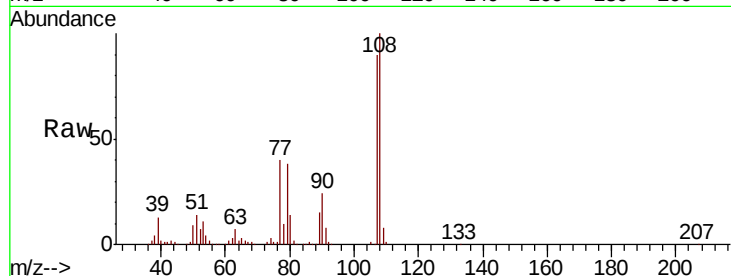
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.6	90.0	135.0	
77	44.1	35.2	52.8	
79	42.7	33.4	50.2	

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#18

Hexachloroethane

Concen: 32.159 ng

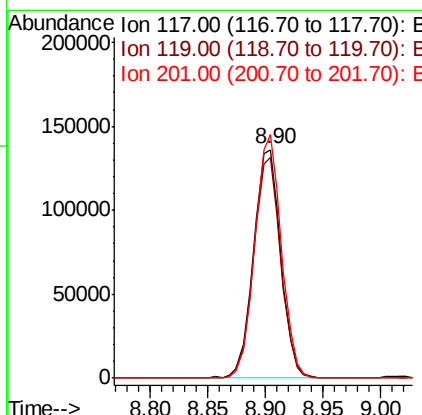
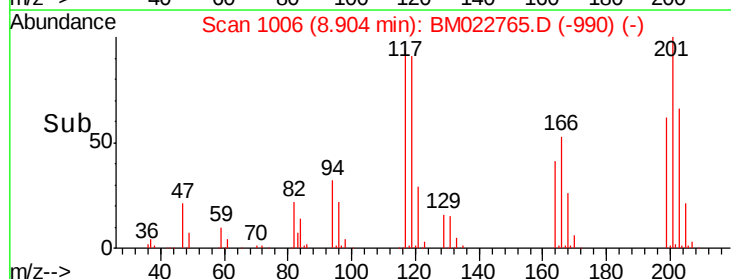
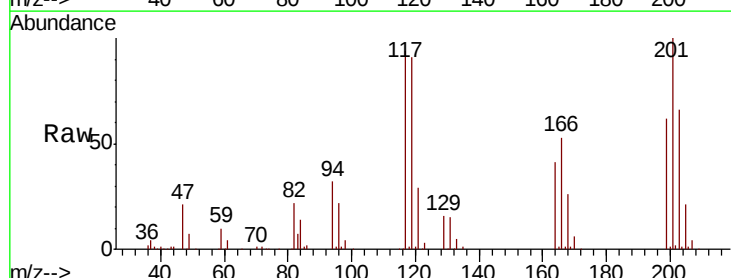
RT: 8.90 min Scan# 1006

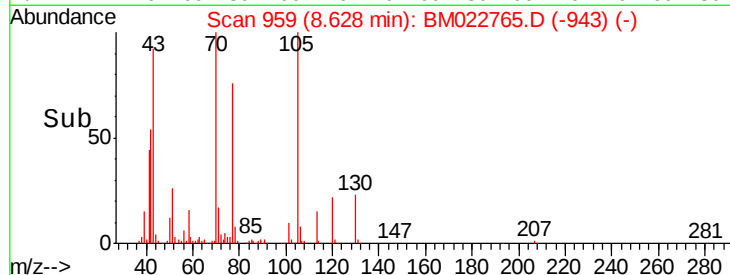
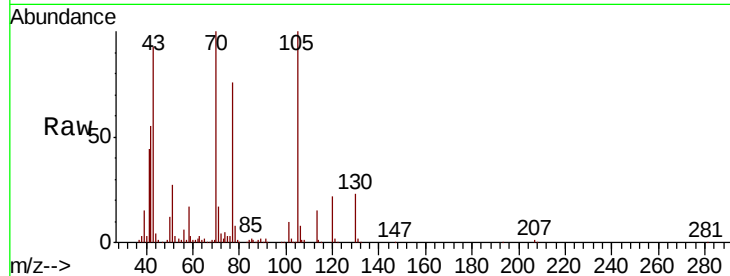
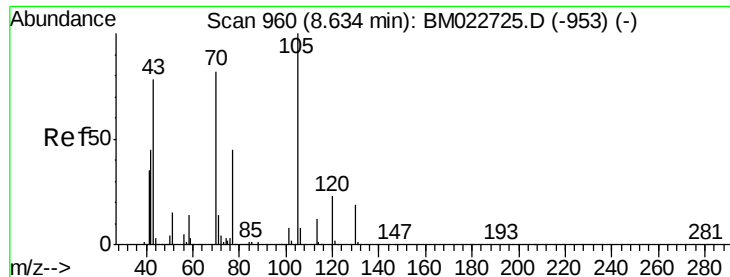
Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.9	78.0	117.0	
201	106.7	85.0	127.6	





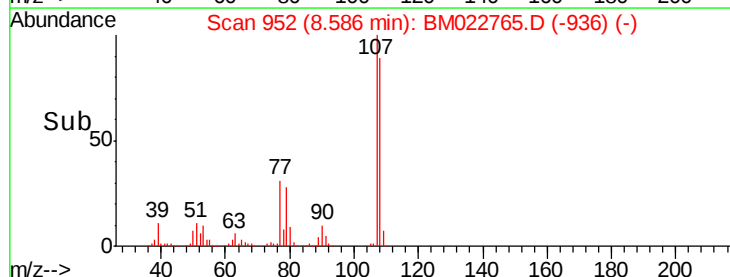
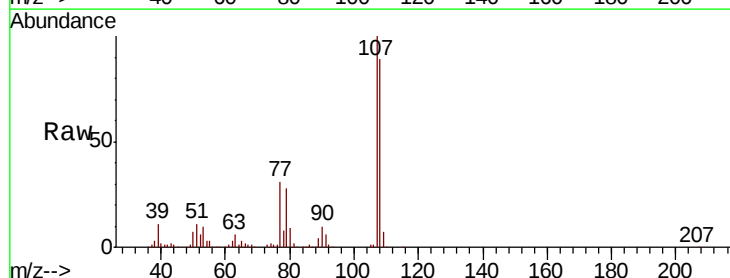
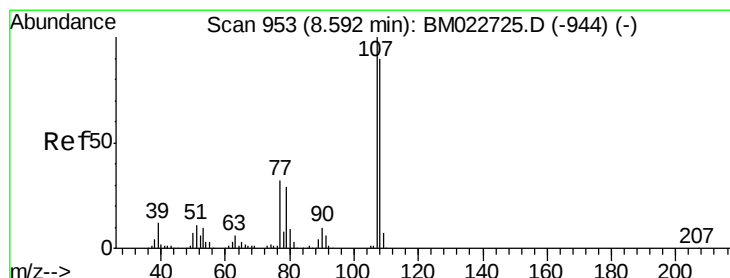
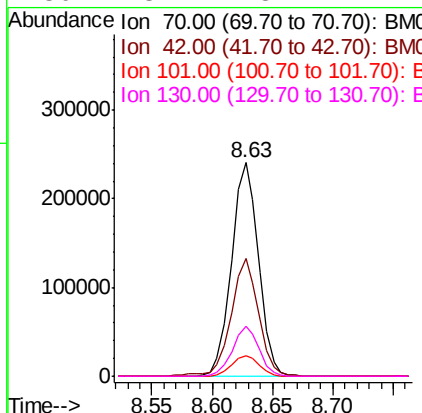
#19
n-Nitroso-di-n-propylamine
Concen: 33.653 ng
RT: 8.63 min Scan# 959
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	54.9	44.4	66.6
101	9.8	7.8	11.6
130	23.2	18.2	27.4

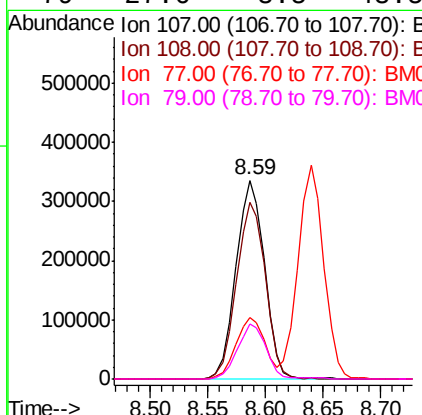
Manual Integrations
APPROVED

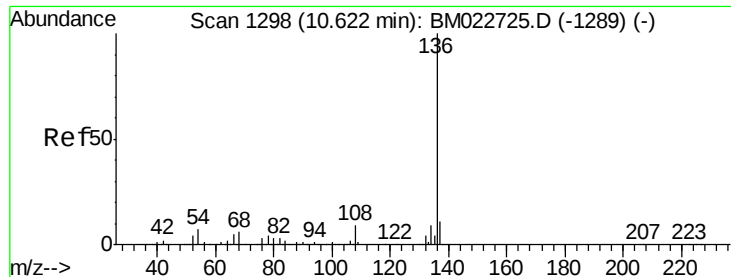
mohammad
9/26/2019 8:25:46 AM



#20
3+4-Methylphenols
Concen: 34.926 ng
RT: 8.59 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.1	110.1
77	31.3	12.1	52.1
79	27.6	8.5	48.5





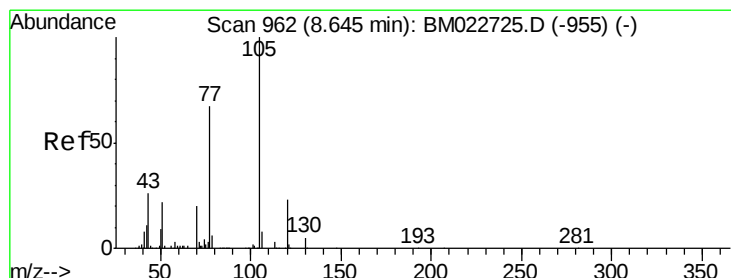
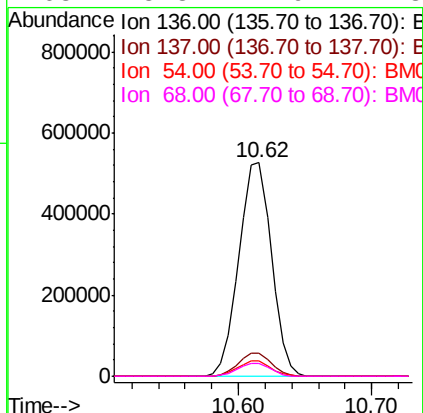
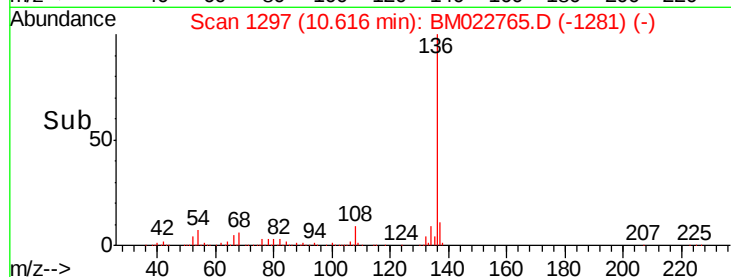
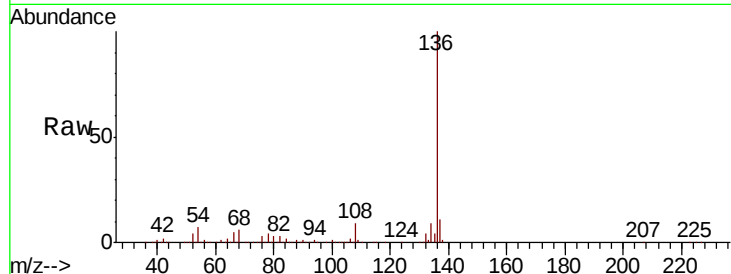
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	892864		
137	10.8		8.6	13.0
54	7.0		6.0	9.0
68	5.8		4.9	7.3

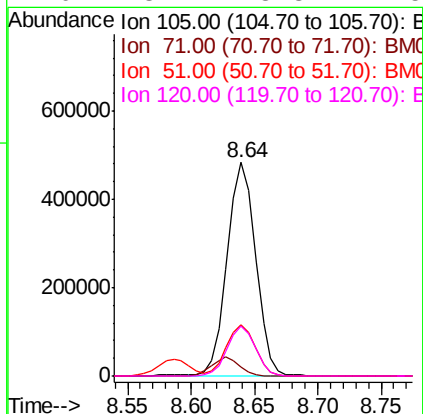
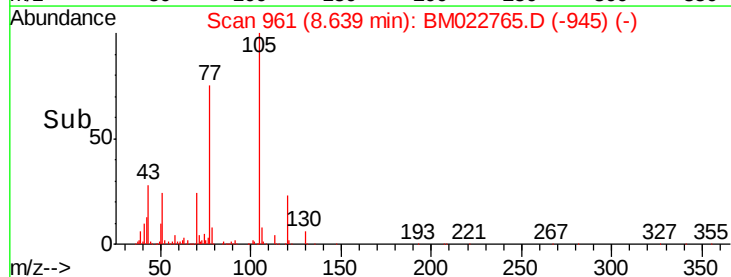
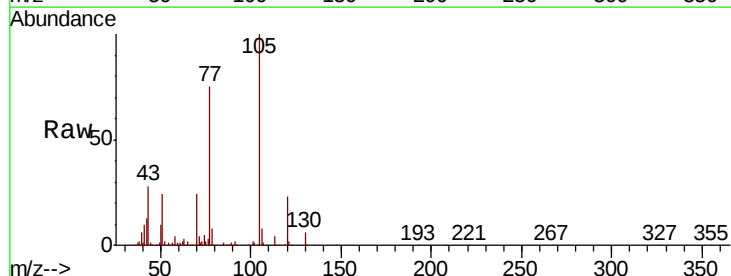
Manual Integrations
APPROVED

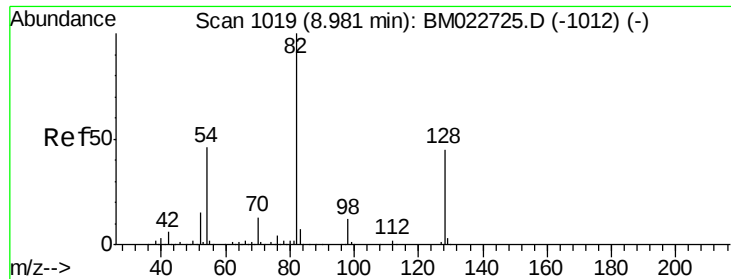
mohammad
9/26/2019 8:25:46 AM



#22
Acetophenone
Concen: 34.042 ng
RT: 8.64 min Scan# 961
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	750257		
71	4.0		2.7	4.1
51	24.0		19.9	29.9
120	23.2		18.3	27.5





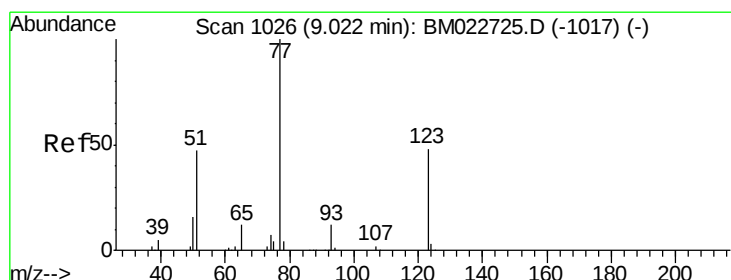
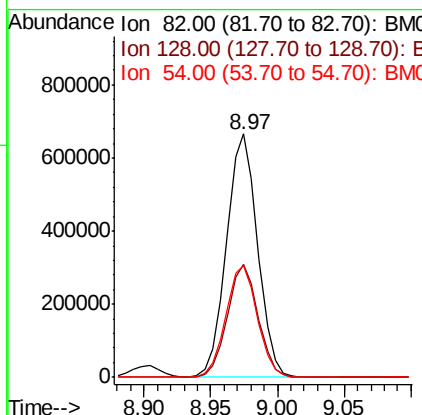
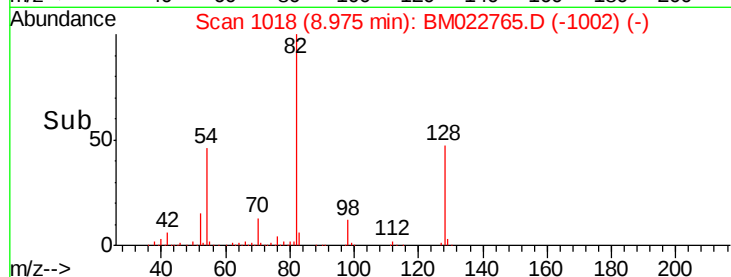
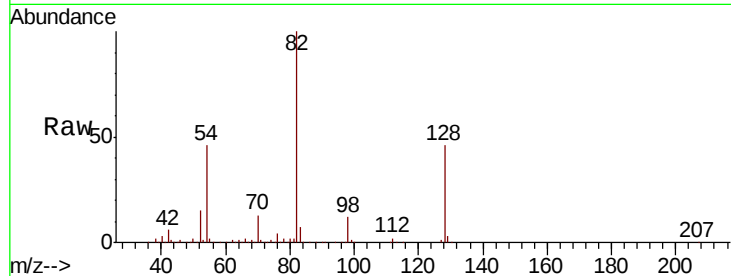
#23
 Nitrobenzene-d5
 Concen: 67.246 ng
 RT: 8.97 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	82	Resp	1081633
Ion Ratio	100	Lower	Upper
82	100		
128	46.3	36.0	54.0
54	45.8	37.1	55.7

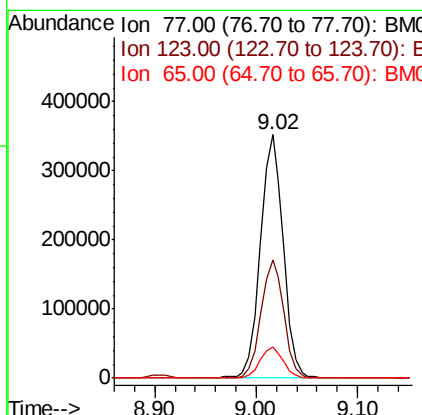
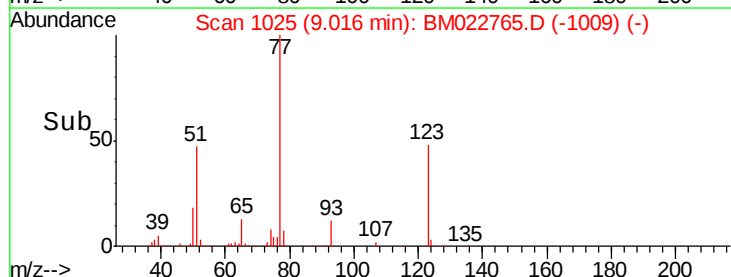
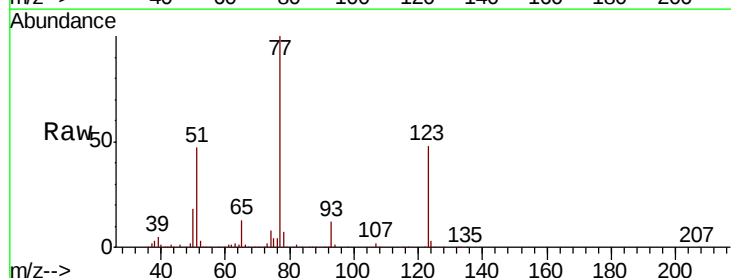
Manual Integrations
 APPROVED

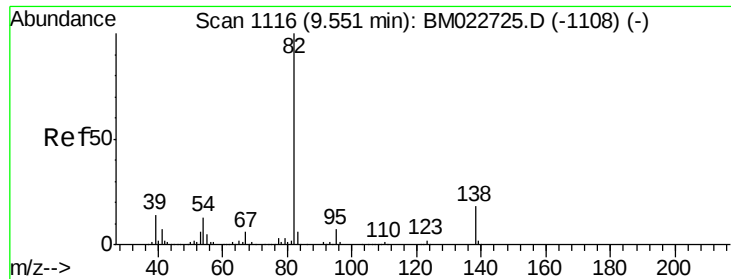
mohammad
 9/26/2019 8:25:46 AM



#24
 Nitrobenzene
 Concen: 35.859 ng
 RT: 9.02 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	77	Resp	551861
Ion Ratio	100	Lower	Upper
77	100		
123	48.4	38.0	57.0
65	13.0	10.0	15.0





#25

Isophorone

Concen: 37.138 ng

RT: 9.55 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

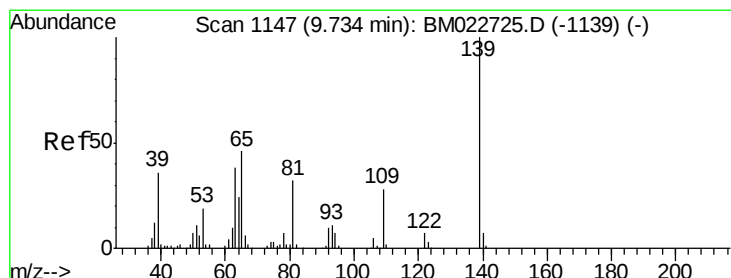
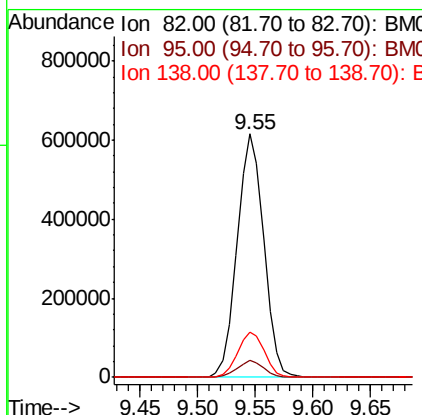
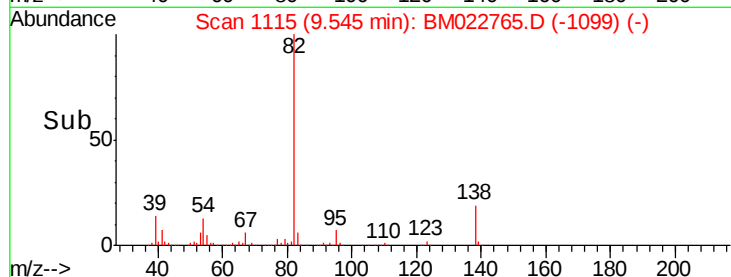
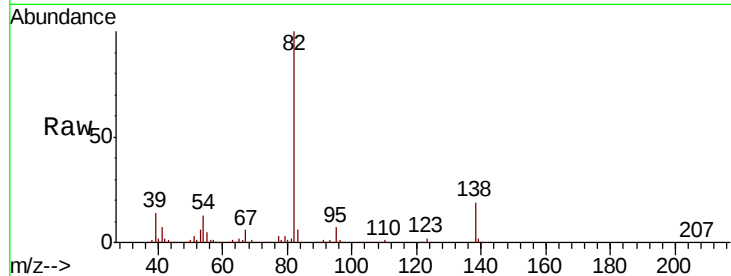
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:	82	Resp:	982204
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.4	8.0
138	18.8	14.7	22.1

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#26

2-Nitrophenol

Concen: 40.332 ng

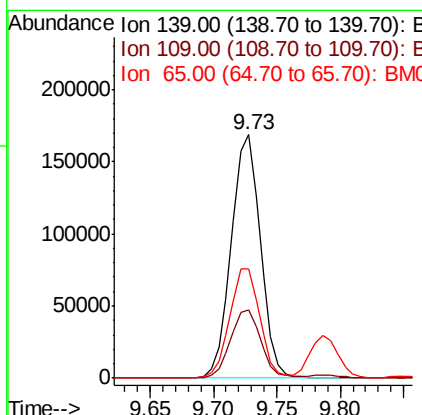
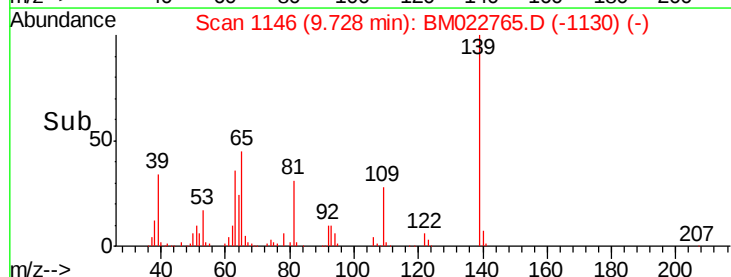
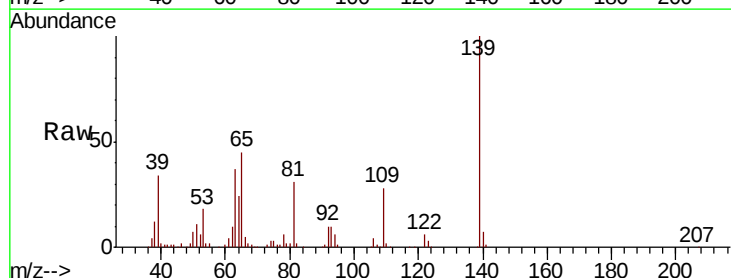
RT: 9.73 min Scan# 1146

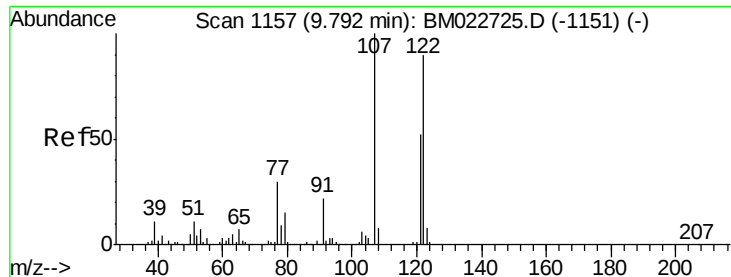
Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:	139	Resp:	267952
Ion Ratio	Lower	Upper	
139	100		
109	27.8	22.6	33.8
65	44.8	37.0	55.4





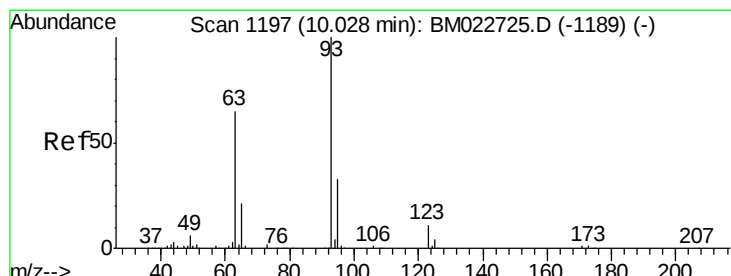
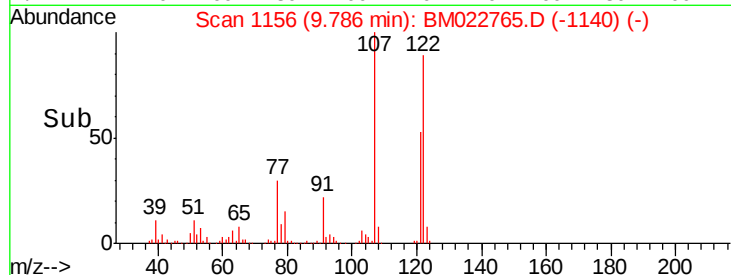
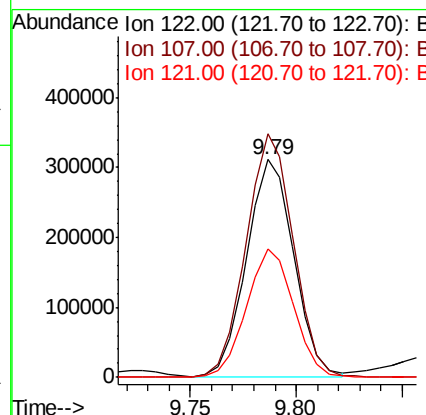
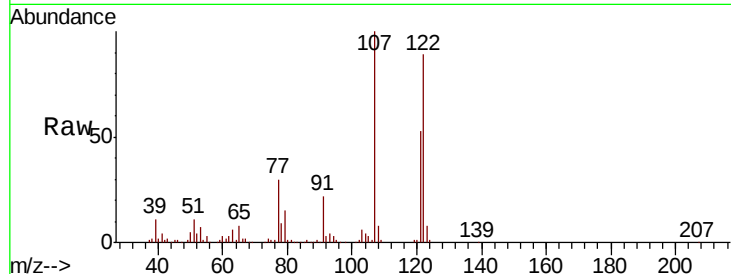
#27
 2,4-Dimethylphenol
 Concen: 43.267 ng
 RT: 9.79 min Scan# 1156
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	481232		
107	112.0	88.9	133.3	
121	58.9	46.5	69.7	

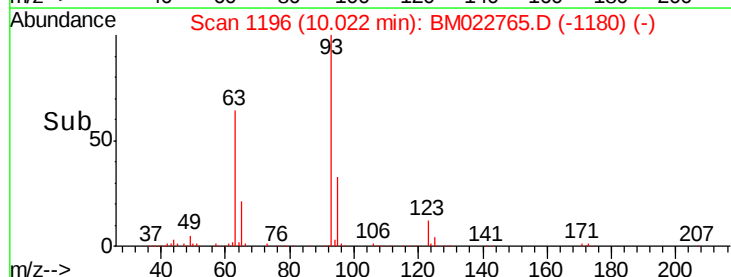
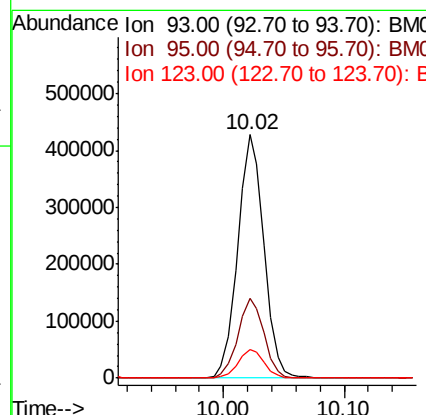
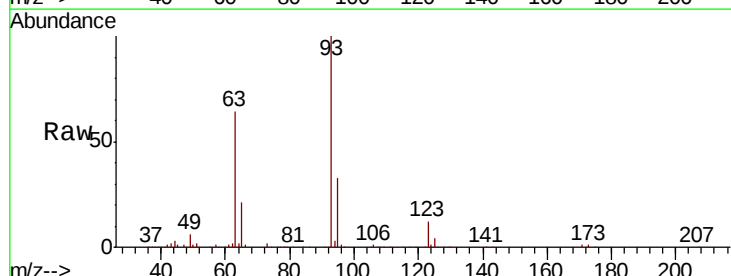
Manual Integrations
 APPROVED

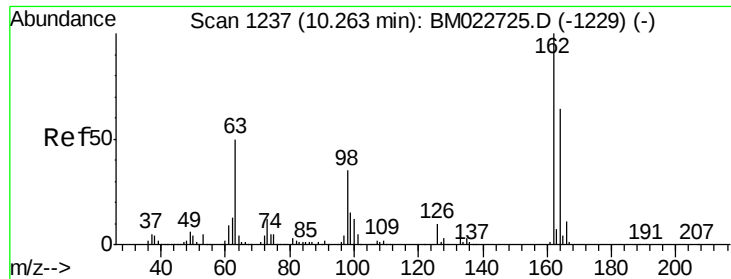
mohammad
 9/26/2019 8:25:46 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 35.270 ng
 RT: 10.02 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	645492		
95	32.7	26.0	39.0	
123	11.7	9.0	13.6	





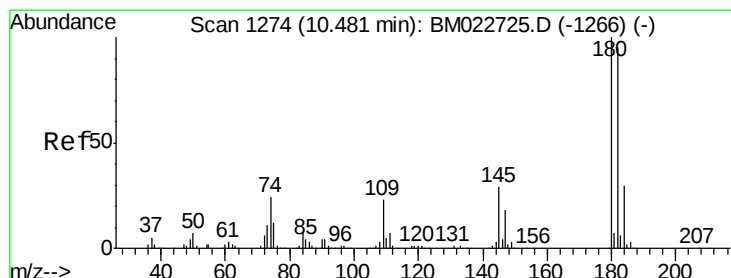
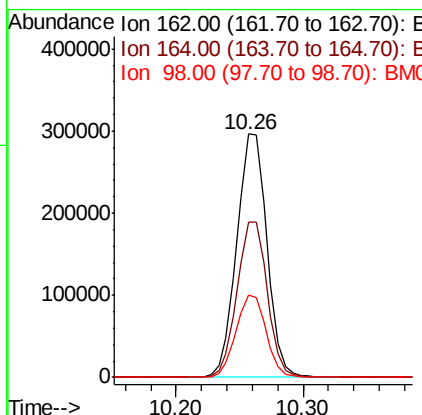
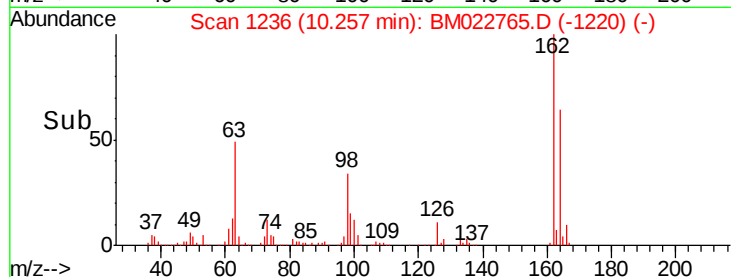
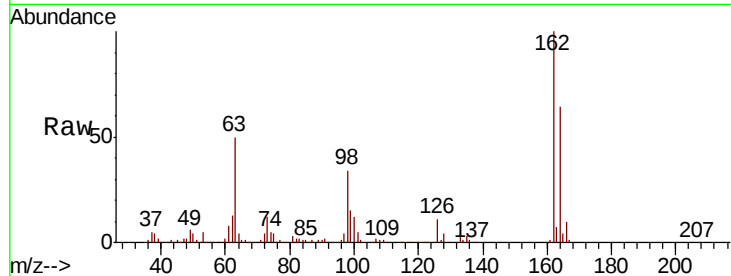
#29
 2,4-Dichlorophenol
 Concen: 38.906 ng
 RT: 10.26 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	489232		
164	64.0		44.4	84.4
98	33.8		14.8	54.8

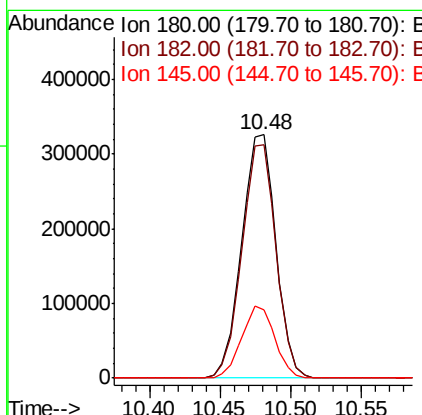
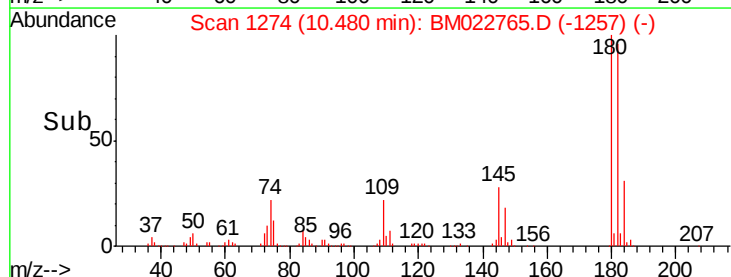
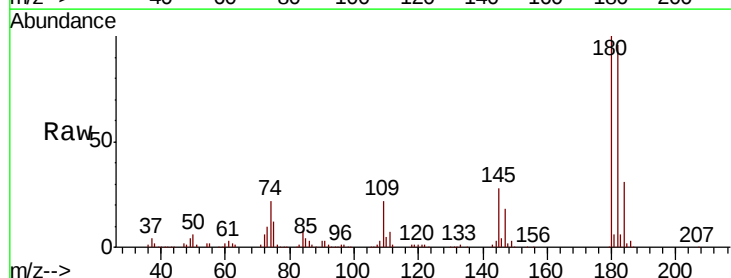
Manual Integrations
 APPROVED

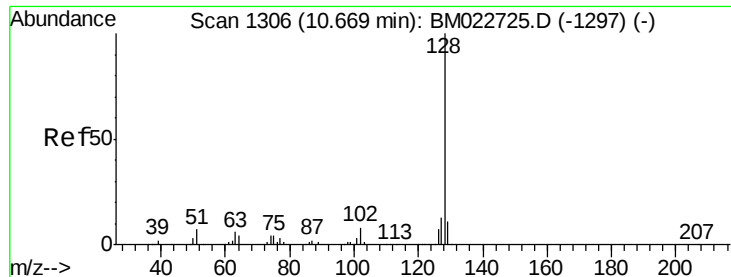
mohammad
 9/26/2019 8:25:46 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 35.789 ng
 RT: 10.48 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	553704		
182	96.0		76.2	114.2
145	28.2		23.0	34.4





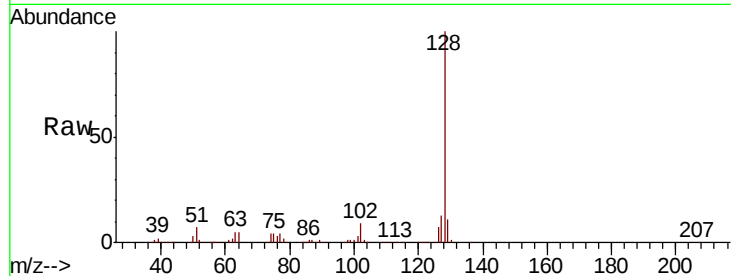
#31
Naphthalene
Concen: 37.485 ng
RT: 10.66 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.2	15.4

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM

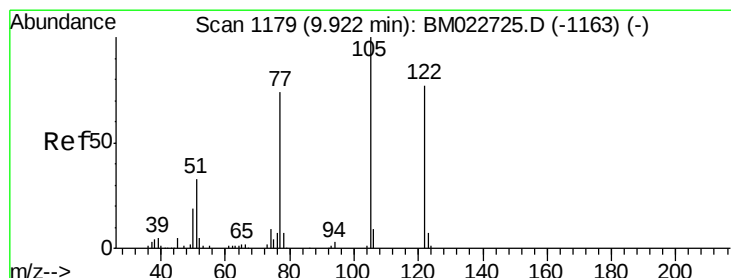
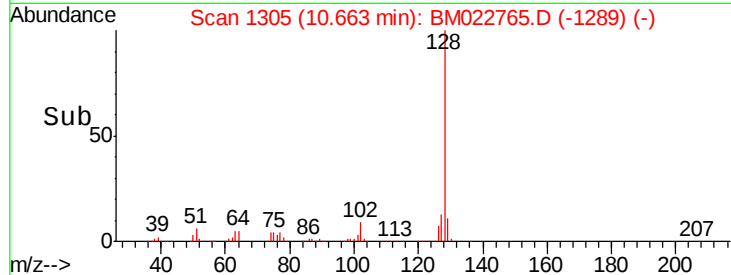
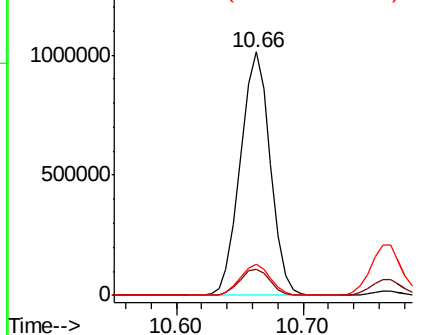


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 28.647 ng
RT: 9.90 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

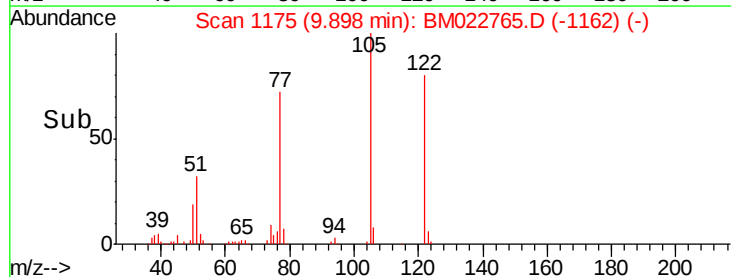
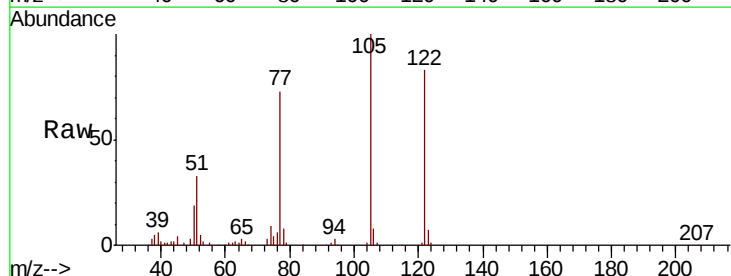
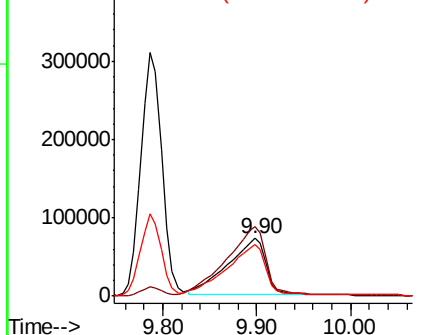
Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.6	105.3	145.3
77	88.6	74.7	114.7

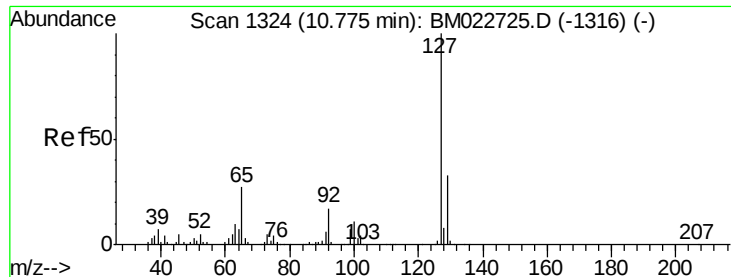
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): E





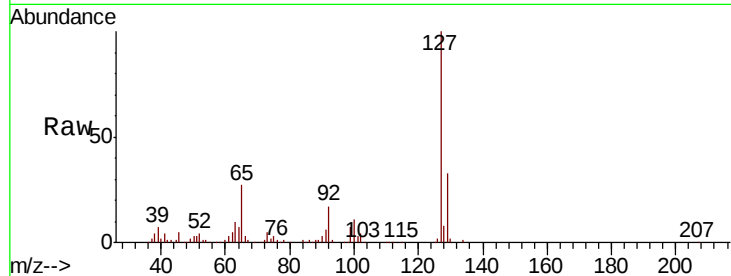
#33
4-Chloroaniline
Concen: 18.780 ng
RT: 10.77 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		359728		
129	32.6	26.1	39.1		
65	27.2	22.0	33.0		
92	17.4	13.8	20.8		

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



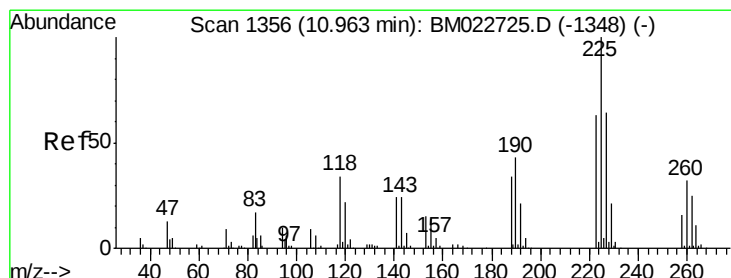
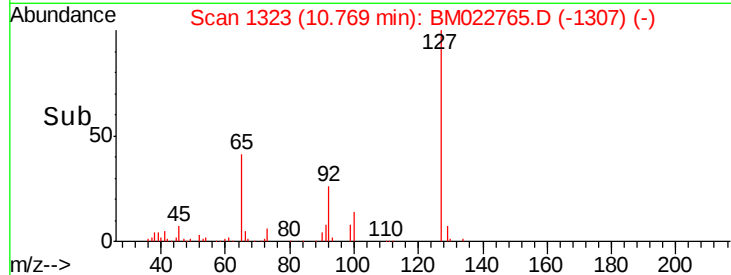
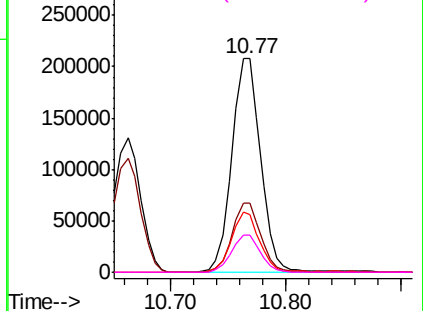
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

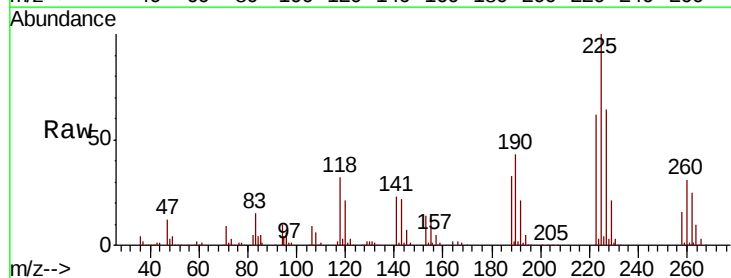
Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM



#34
Hexachlorobutadiene
Concen: 35.931 ng
RT: 10.96 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		331372		
223	62.0	50.2	75.4		
227	64.2	51.0	76.4		

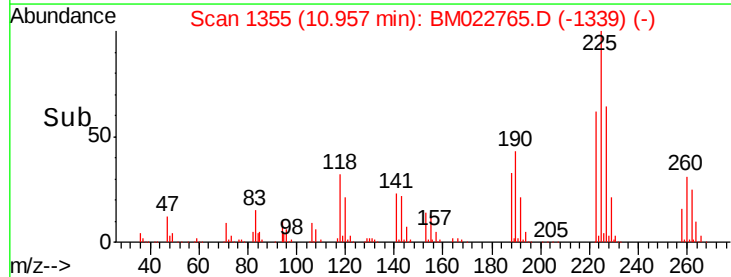
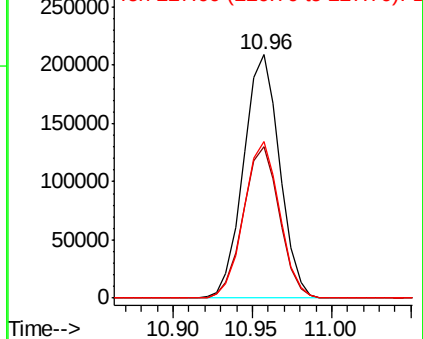


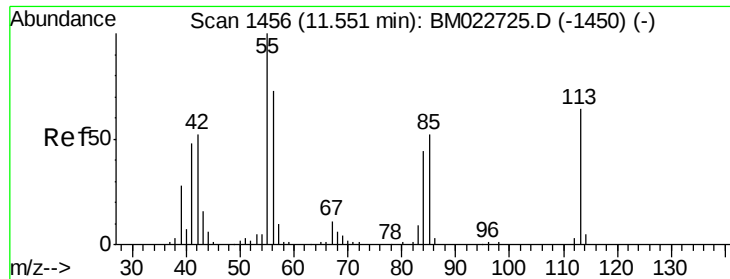
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





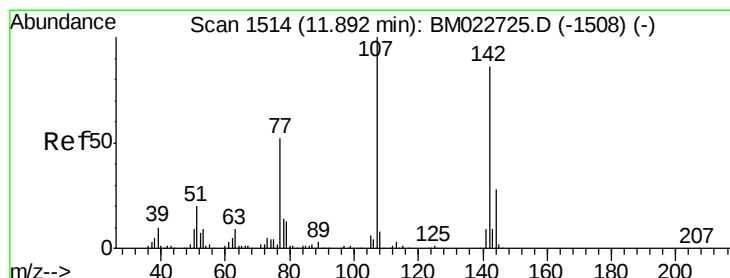
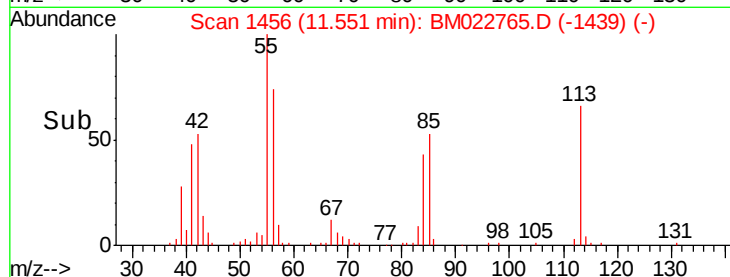
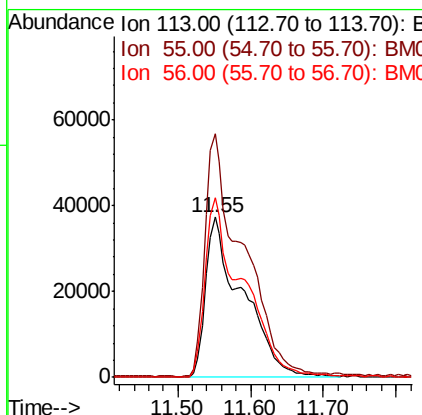
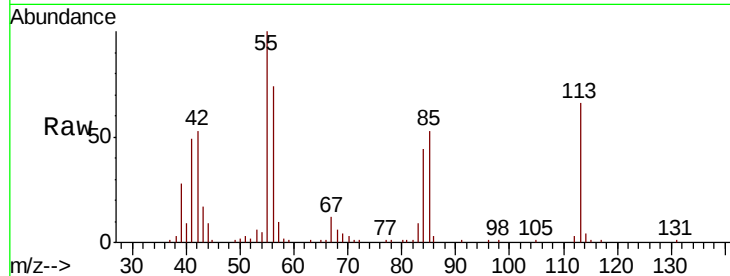
#35
 Caprolactam
 Concen: 35.361 ng/ml
 RT: 11.55 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	152.2	136.8	176.8
56	112.4	95.2	135.2

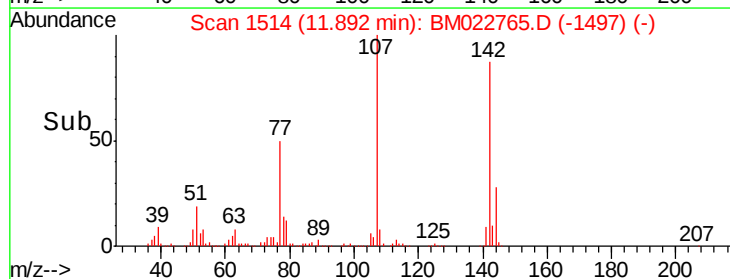
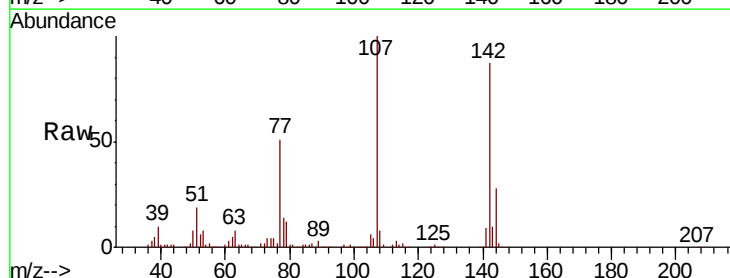
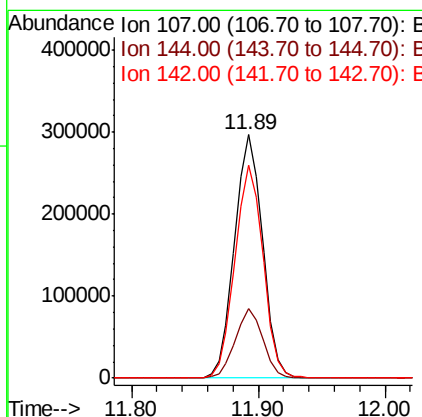
Manual Integrations
 APPROVED

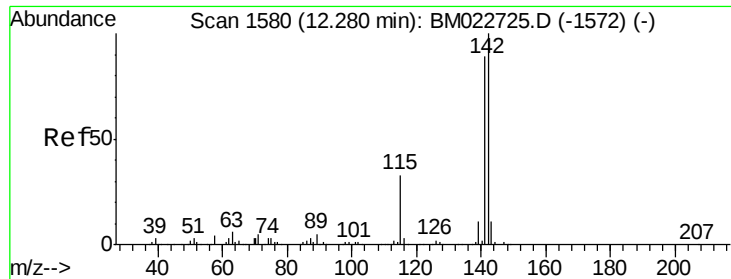
mohammad
 9/26/2019 8:25:46 AM



#36
 4-Chloro-3-methylphenol
 Concen: 37.113 ng/ml
 RT: 11.89 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.4	22.4	33.6
142	87.5	68.2	102.4





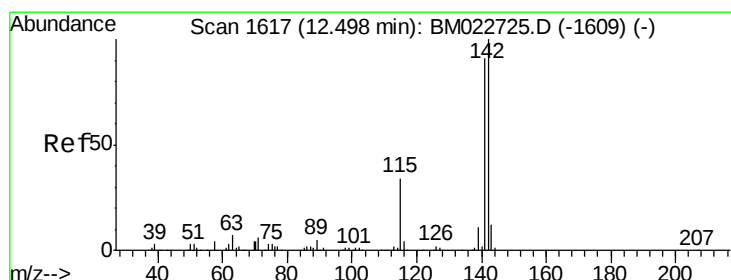
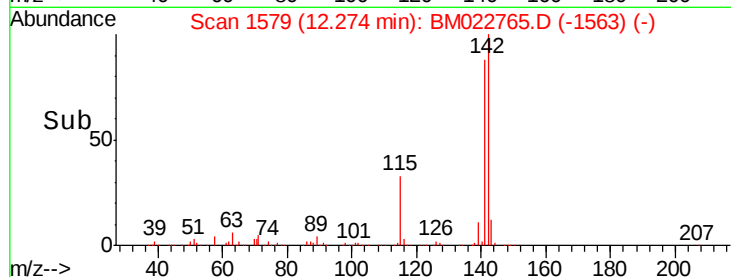
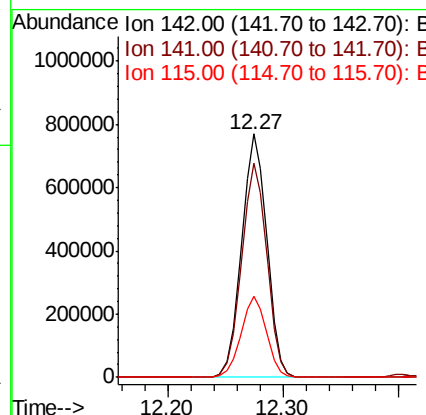
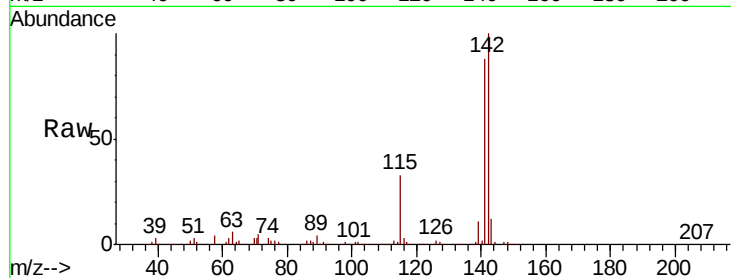
#37
 2-Methylnaphthalene
 Concen: 37.866 ng
 RT: 12.27 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.5	107.3
115	33.0	26.1	39.1

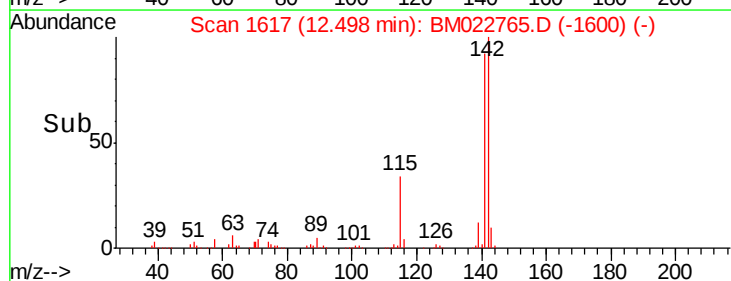
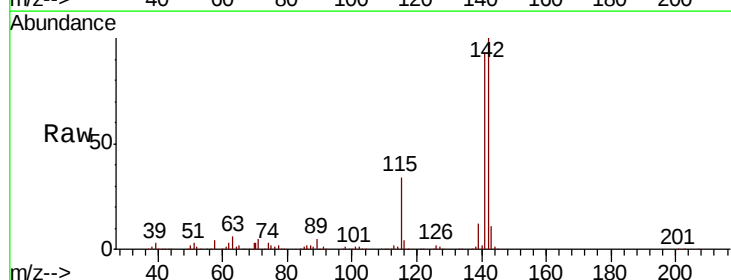
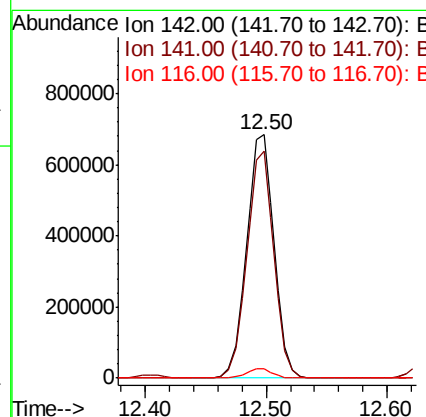
Manual Integrations
 APPROVED

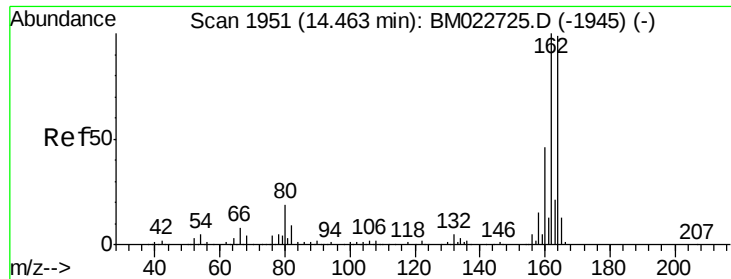
mohammad
 9/26/2019 8:25:46 AM



#38
 1-Methylnaphthalene
 Concen: 36.988 ng
 RT: 12.50 min Scan# 1617
 Delta R.T. -0.00 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.1	73.0	109.4
116	3.6	2.9	4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

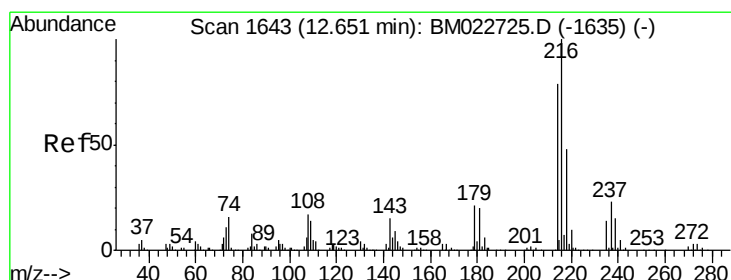
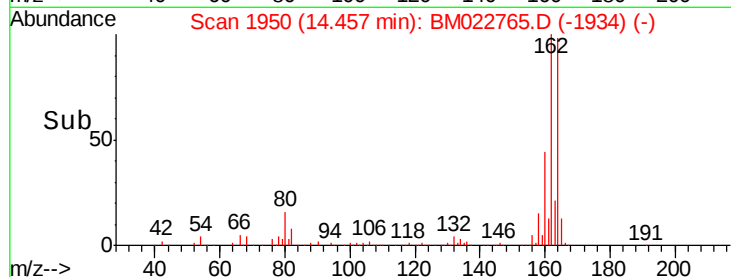
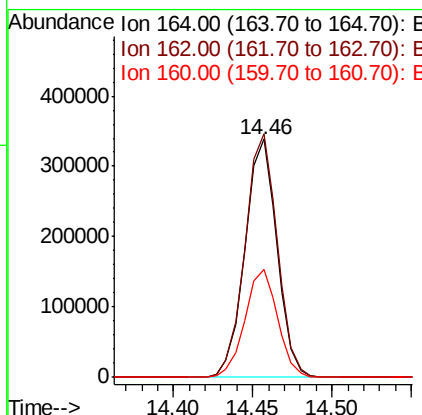
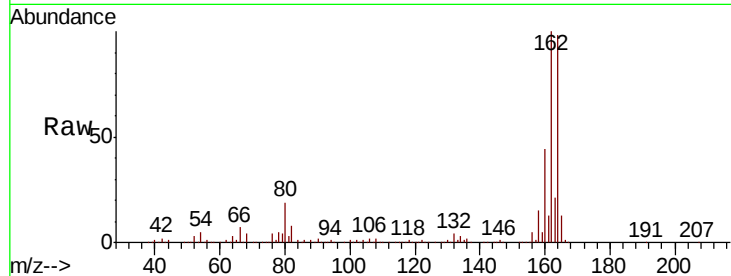
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:	164	Resp:	473746
Ion Ratio	Lower	Upper	
164	100		
162	102.1	81.1	121.7
160	45.3	36.9	55.3

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#40

1,2,4,5-Tetrachlorobenzene

Concen: 36.418 ng

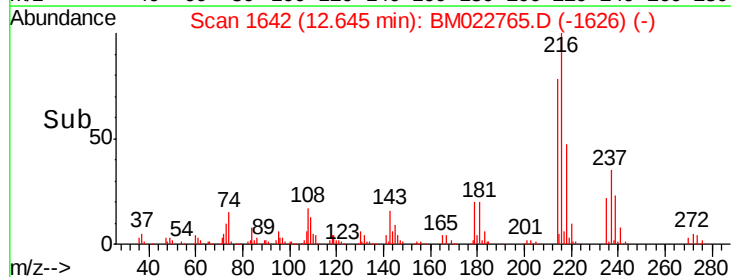
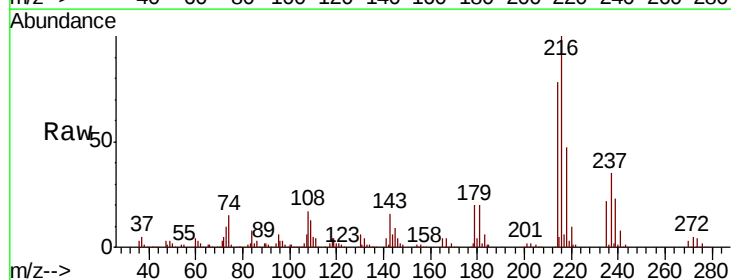
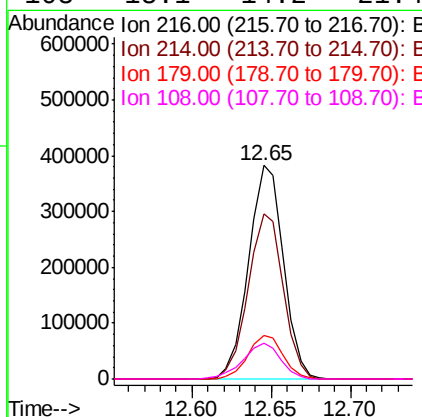
RT: 12.65 min Scan# 1642

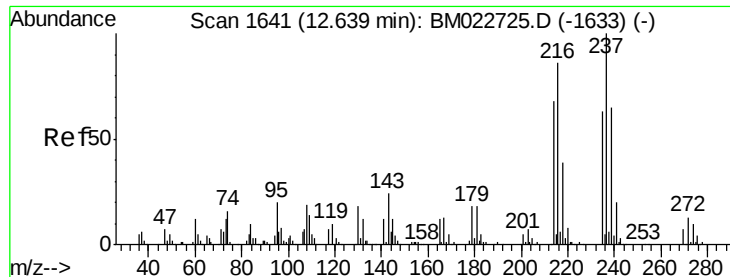
Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:	216	Resp:	584601
Ion Ratio	Lower	Upper	
216	100		
214	78.2	62.9	94.3
179	20.3	16.6	24.8
108	18.1	14.2	21.4





#41

Hexachlorocyclopentadiene

Concen: 55.237 ng

RT: 12.63 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

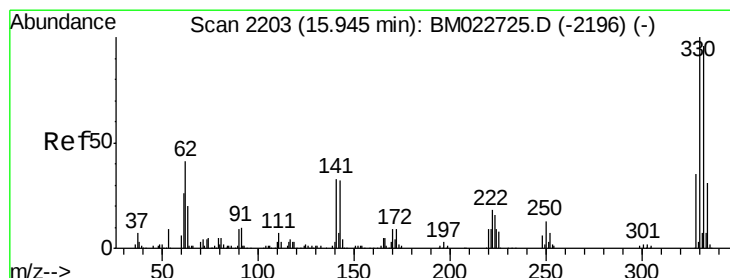
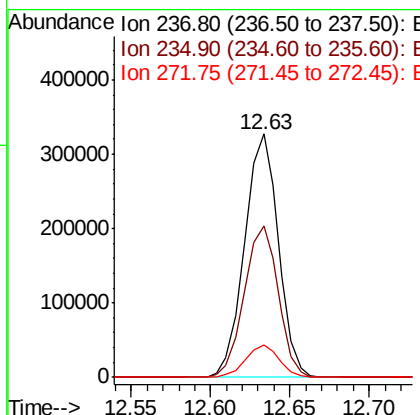
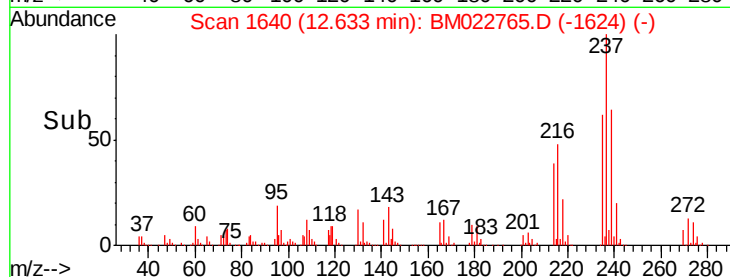
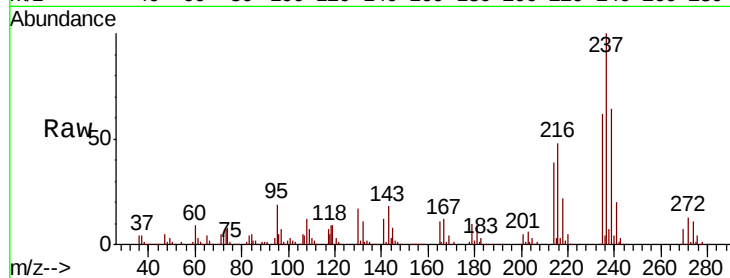
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:	237	Resp:	483786
Ion Ratio	Lower	Upper	
237	100		
235	62.0	43.3	83.3
272	13.1	0.0	32.6

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#42

2,4,6-Tribromophenol

Concen: 101.582 ng

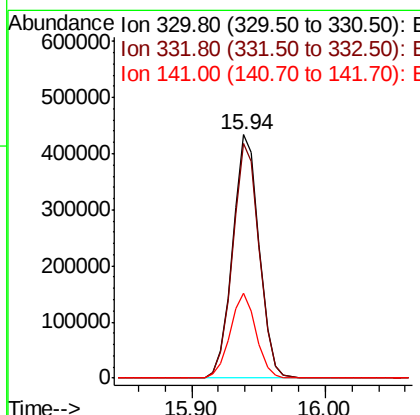
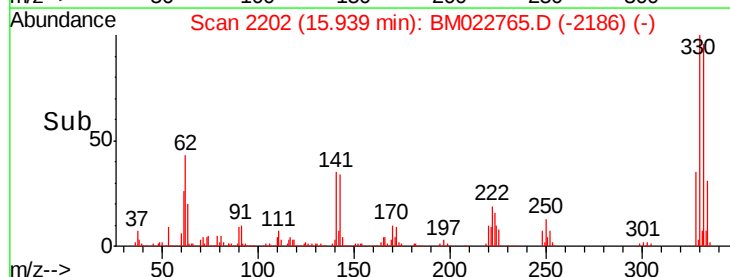
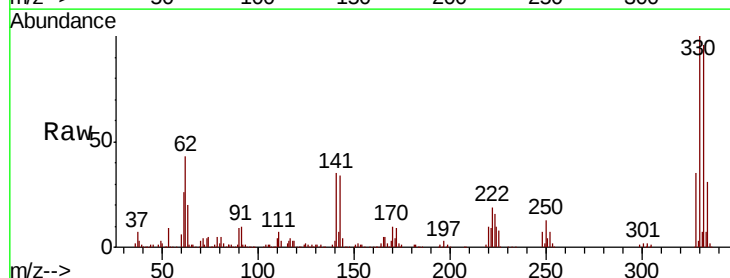
RT: 15.94 min Scan# 2202

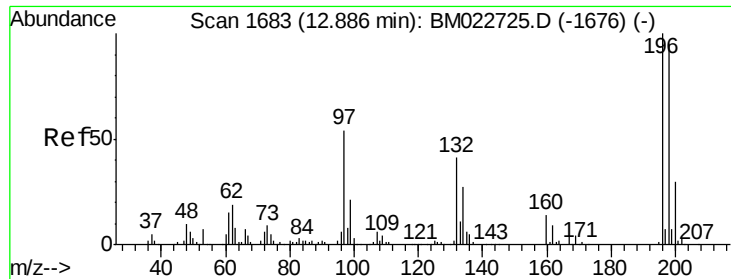
Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:	330	Resp:	600751
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.9	115.3
141	34.5	28.6	42.8





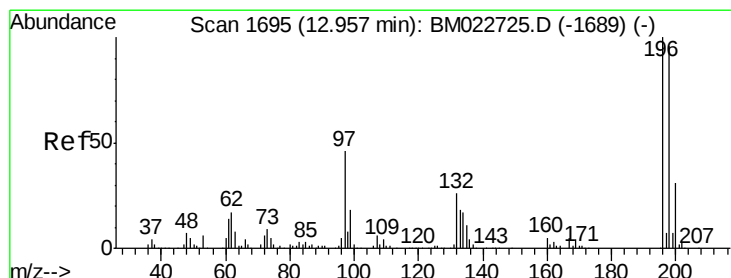
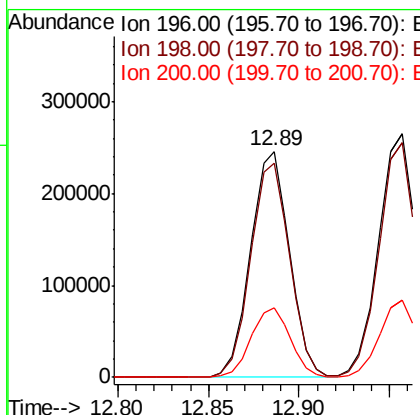
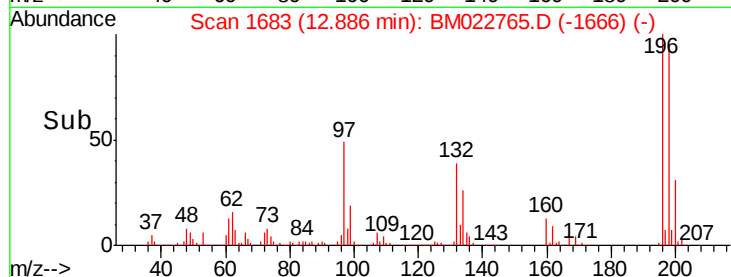
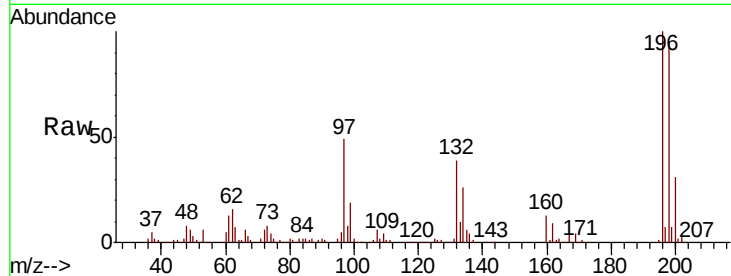
#43
 2,4,6-Trichlorophenol
 Concen: 39.750 ng
 RT: 12.89 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	368280		
198	94.9	76.3	114.5	
200	30.5	24.4	36.6	

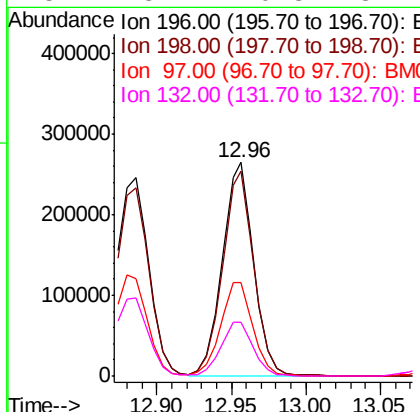
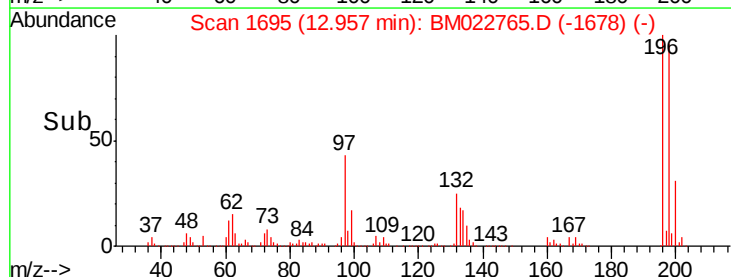
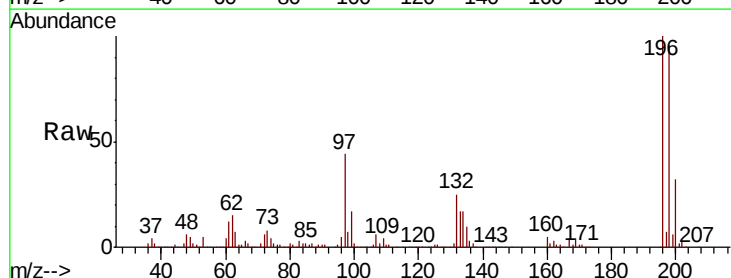
Manual Integrations
 APPROVED

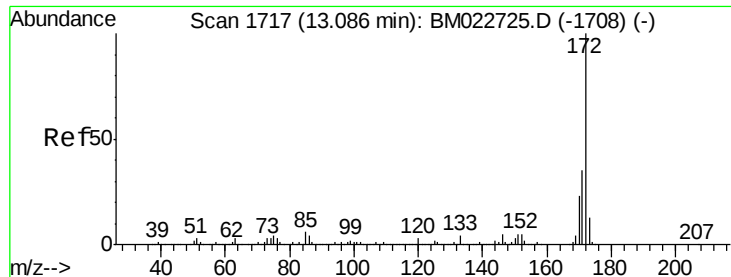
mohammad
 9/26/2019 8:25:46 AM



#44
 2,4,5-Trichlorophenol
 Concen: 39.880 ng
 RT: 12.96 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	385030		
198	96.2	77.0	115.4	
97	43.5	37.2	55.8	
132	25.1	20.8	31.2	





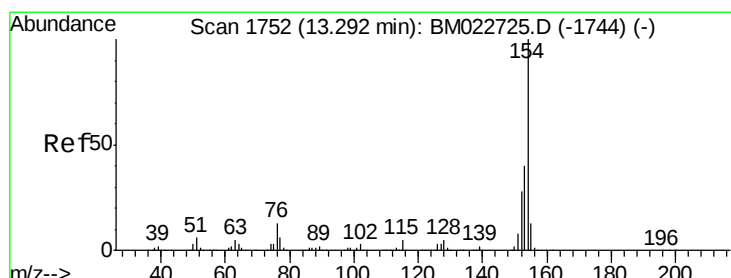
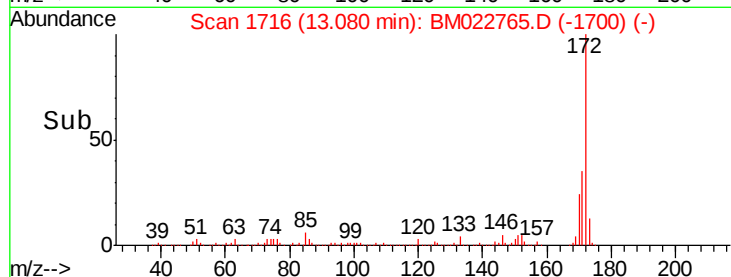
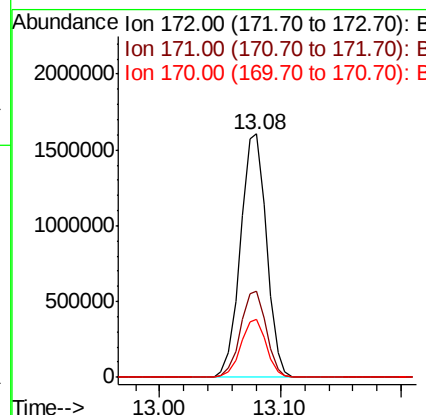
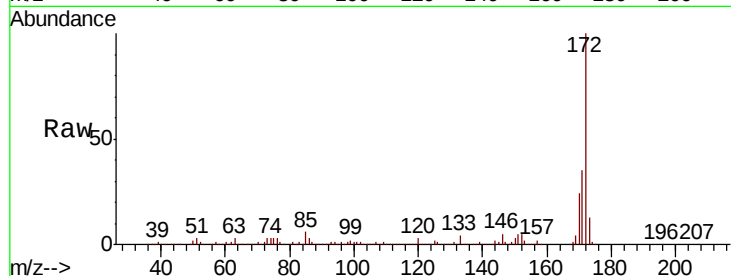
#45
2-Fluorobiphenyl
Concen: 70.130 ng
RT: 13.08 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.8	41.8
170	23.6	18.7	28.1

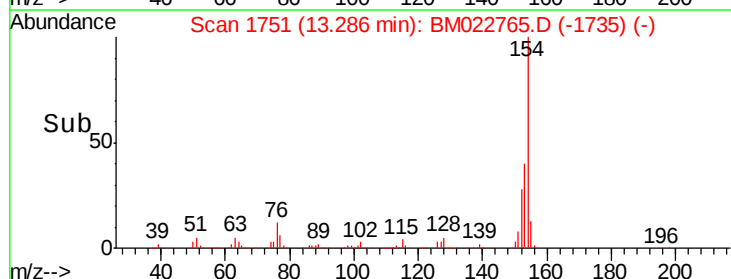
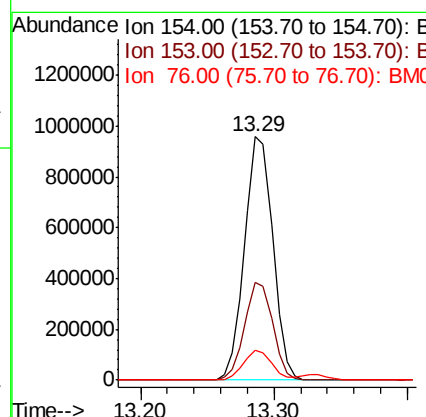
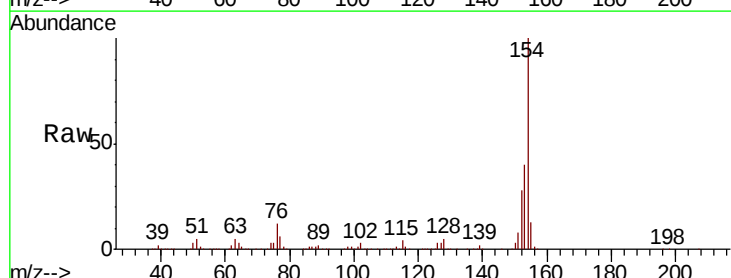
Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#46
1,1'-Biphenyl
Concen: 35.684 ng
RT: 13.29 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	12.2	0.0	32.6





#47

2-Chloronaphthalene

Concen: 36.487 ng

RT: 13.33 min Scan# 1758

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

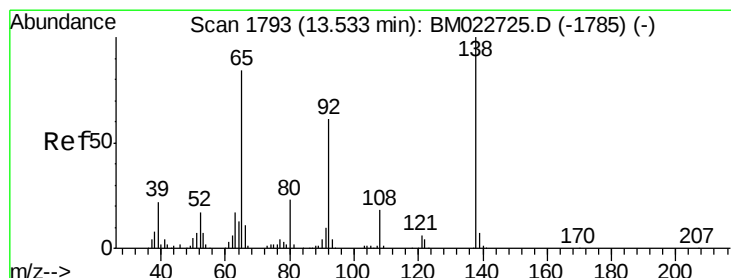
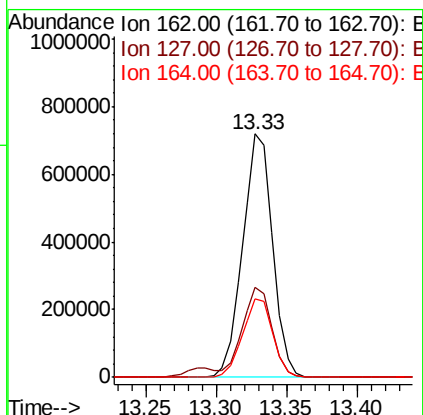
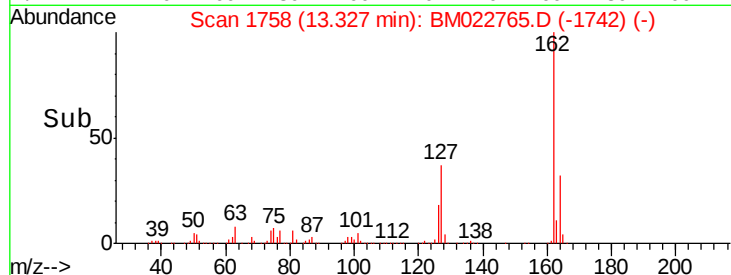
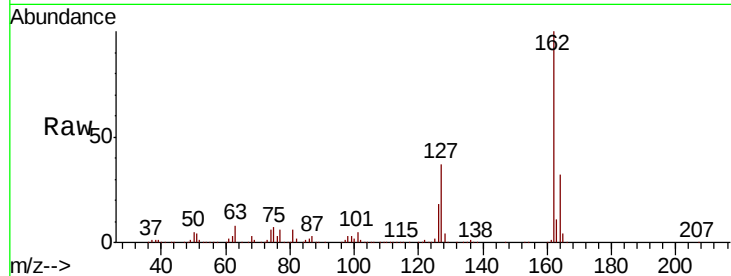
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:	162	Resp:	1066283
Ion	Ratio	Lower	Upper
162	100		
127	37.1	29.0	43.6
164	32.5	26.0	39.0

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#48

2-Nitroaniline

Concen: 35.751 ng

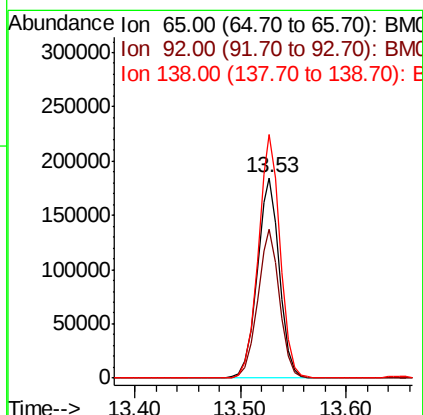
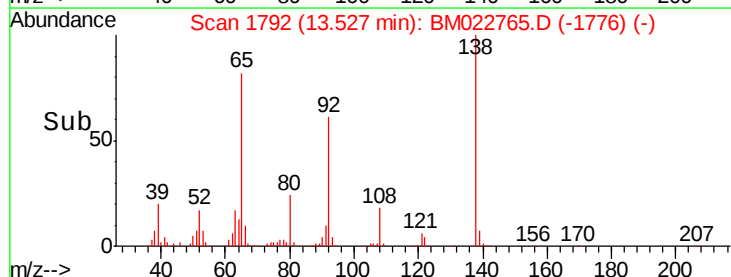
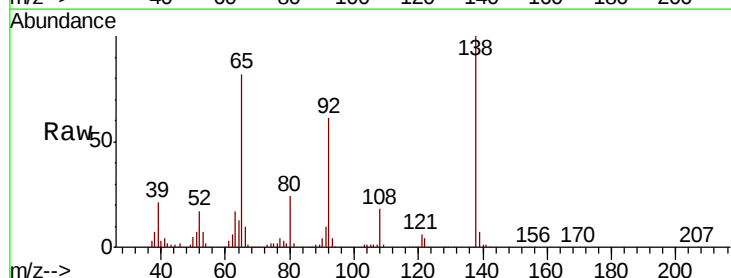
RT: 13.53 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:	65	Resp:	272055
Ion	Ratio	Lower	Upper
65	100		
92	74.7	58.6	87.8
138	121.7	95.4	143.0





#49

Acenaphthylene

Concen: 41.032 ng

RT: 14.17 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:152 Resp: 1775718

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

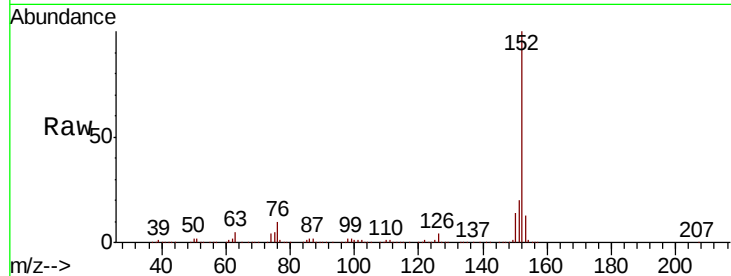
153 13.2 10.5 15.7

Manual Integrations

APPROVED

mohammad

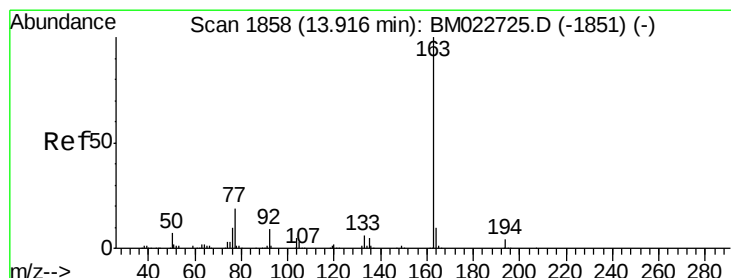
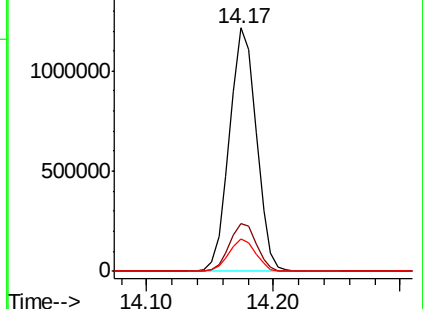
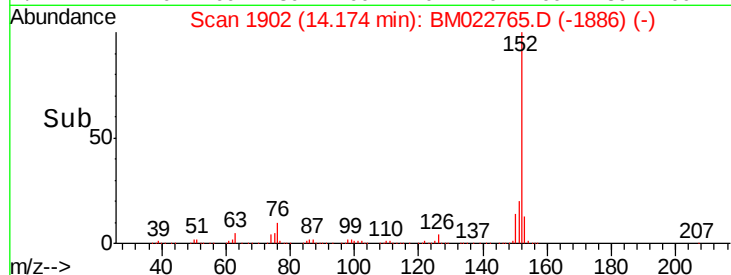
9/26/2019 8:25:46 AM



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: 43.111 ng

RT: 13.91 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

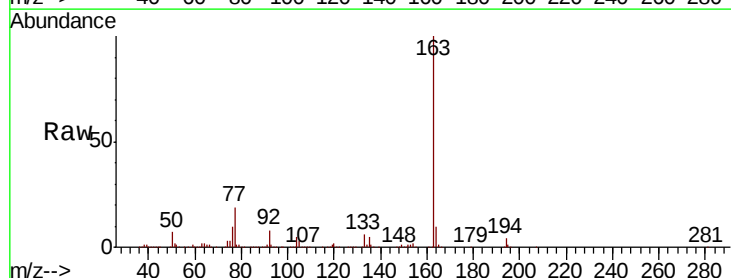
Tgt Ion:163 Resp: 1475953

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

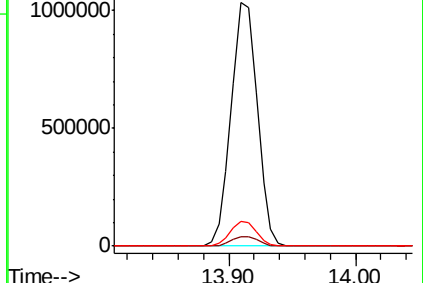
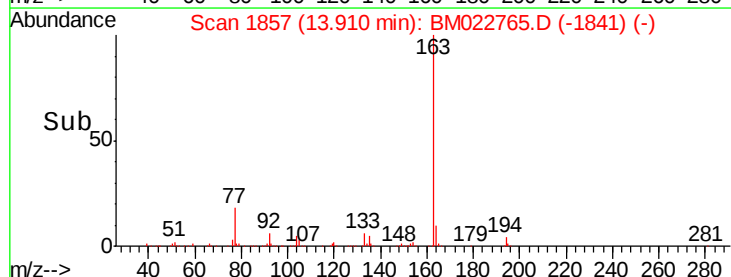
164 10.4 8.2 12.2

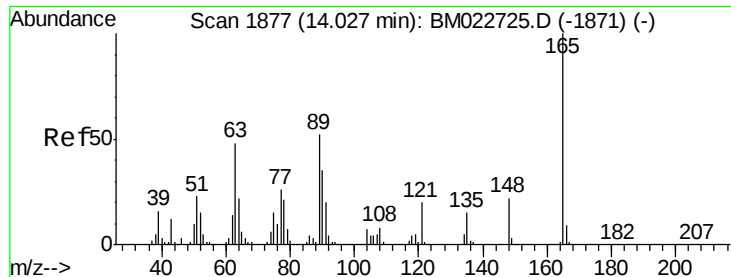


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





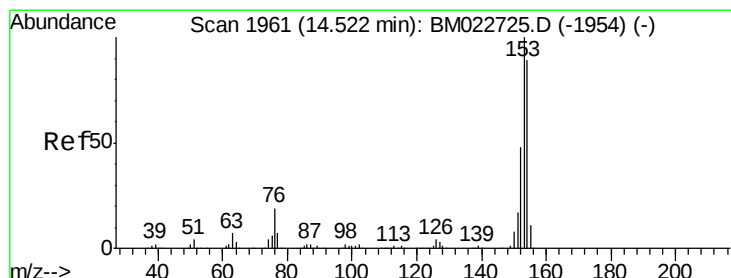
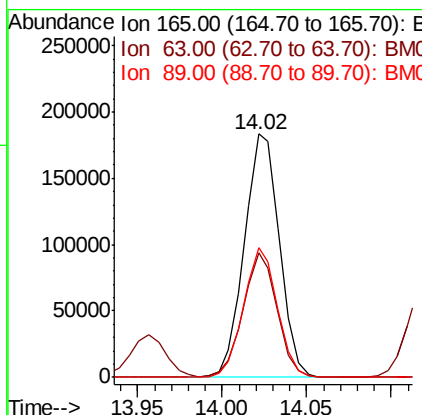
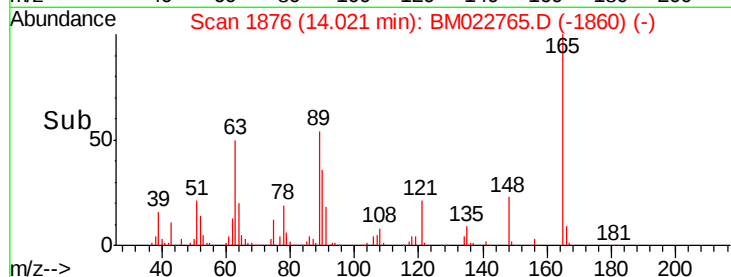
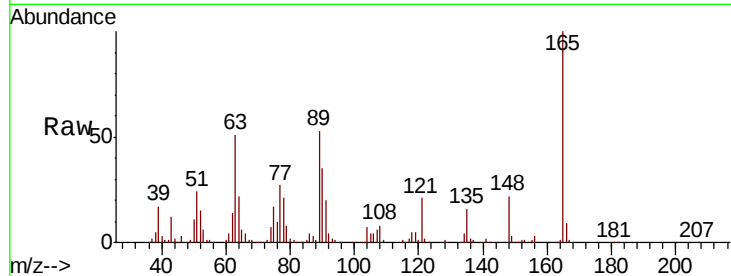
#51
 2,6-Dinitrotoluene
 Concen: 37.007 ng
 RT: 14.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion:	165	Resp:	265019
Ion Ratio	Lower	Upper	
165	100		
63	51.3	38.6	58.0
89	53.1	41.6	62.4

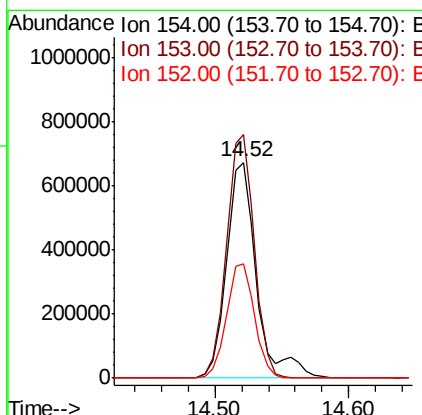
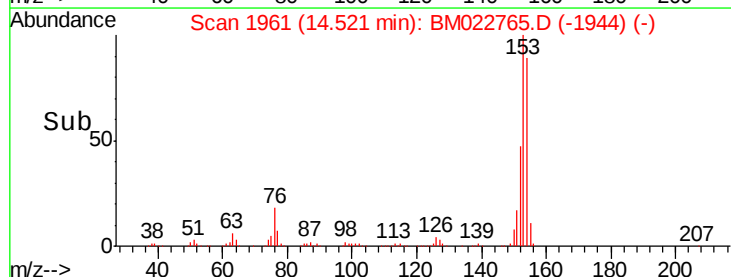
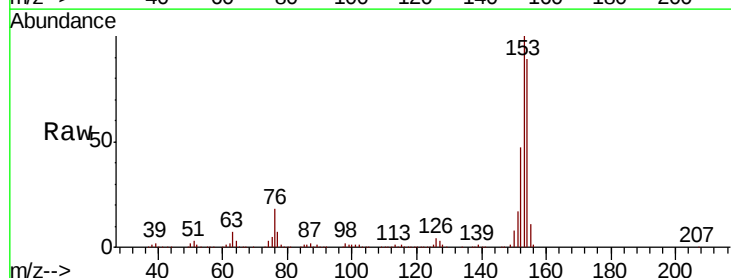
Manual Integrations
 APPROVED

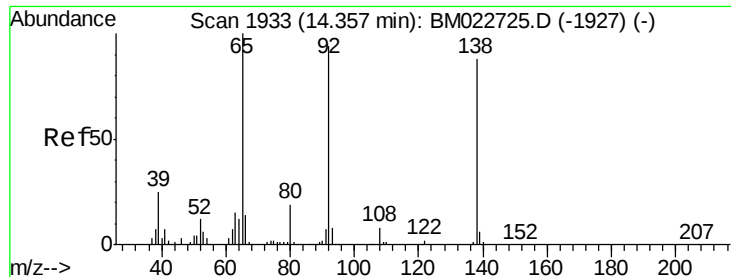
mohammad
 9/26/2019 8:25:46 AM



#52
 Acenaphthene
 Concen: 37.626 ng
 RT: 14.52 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion:	154	Resp:	1065287
Ion Ratio	Lower	Upper	
154	100		
153	112.7	90.0	135.0
152	53.1	42.9	64.3





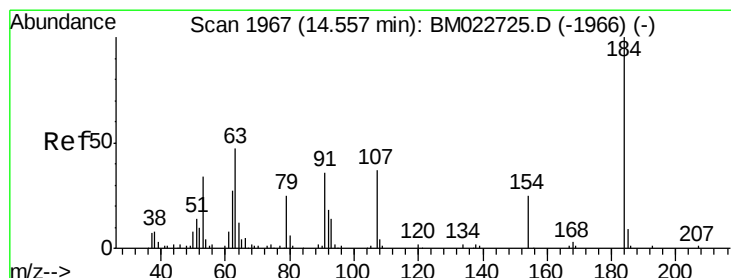
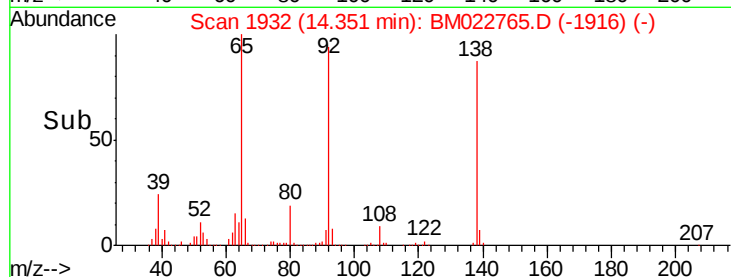
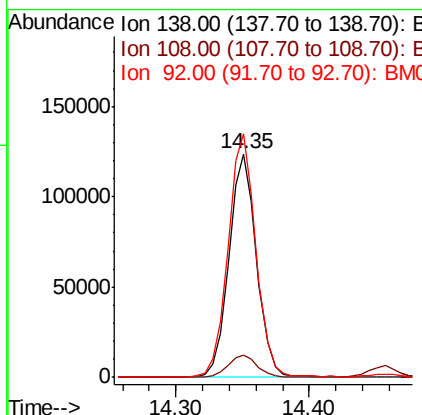
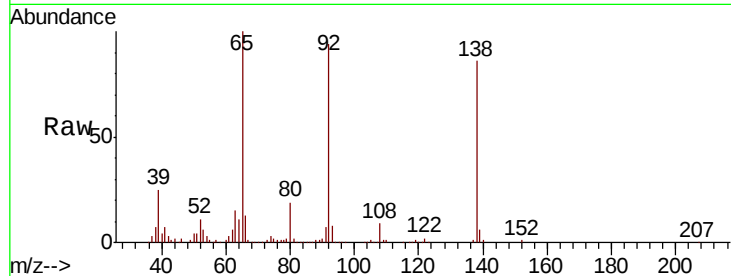
#53
3-Nitroaniline
Concen: 21.599 ng
RT: 14.35 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.3	10.9
92	108.9	86.3	129.5

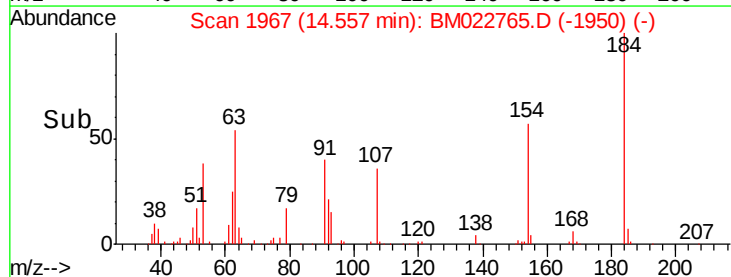
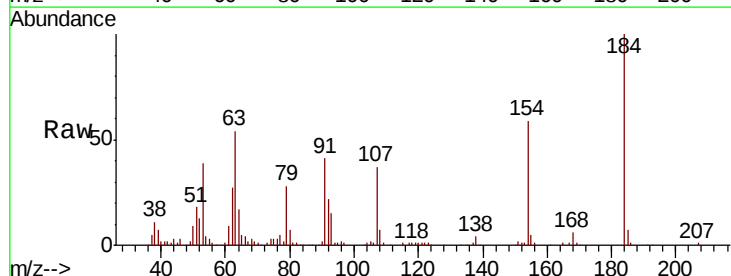
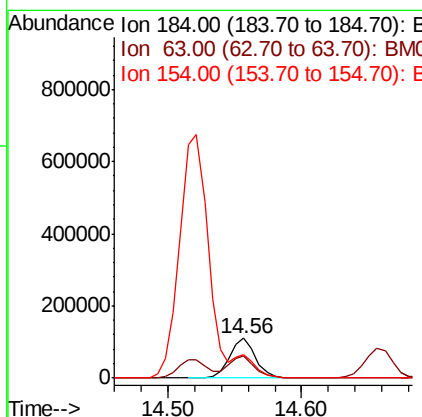
Manual Integrations
APPROVED

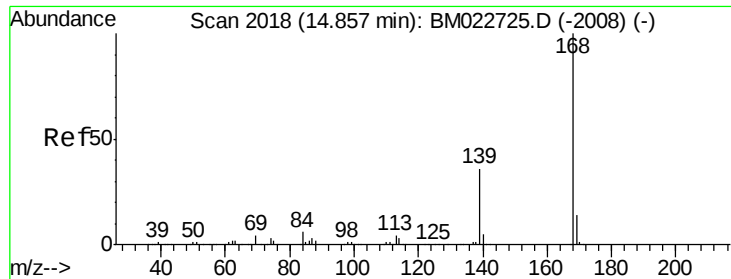
mohammad
9/26/2019 8:25:46 AM



#54
2,4-Dinitrophenol
Concen: 42.189 ng
RT: 14.56 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
184	100		
63	54.5	48.5	72.7
154	58.6	48.1	72.1





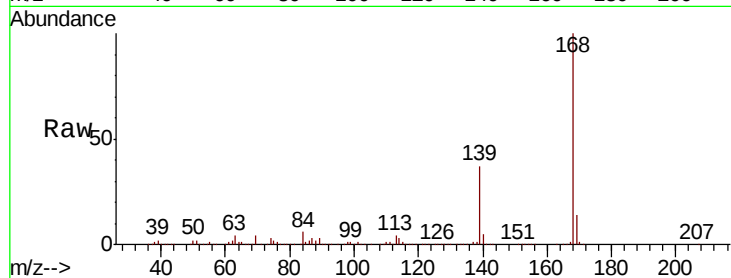
#55
Dibenzenofuran
Concen: 36.652 ng
RT: 14.85 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.5	28.8	43.2
169	13.6	10.9	16.3

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM

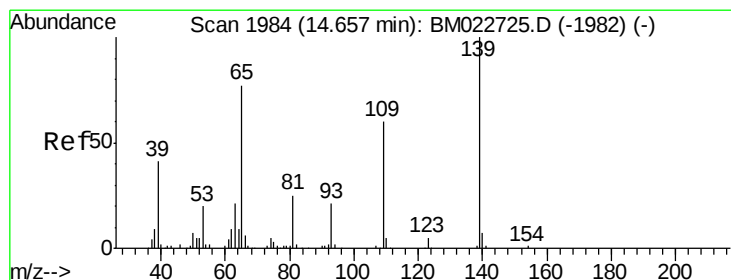
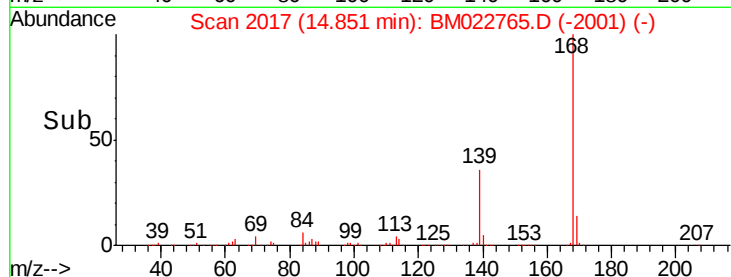
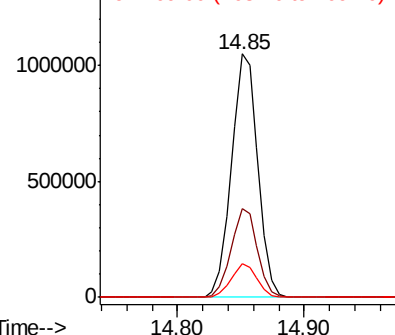


Abundance

Ion 168.00 (167.70 to 168.70): E

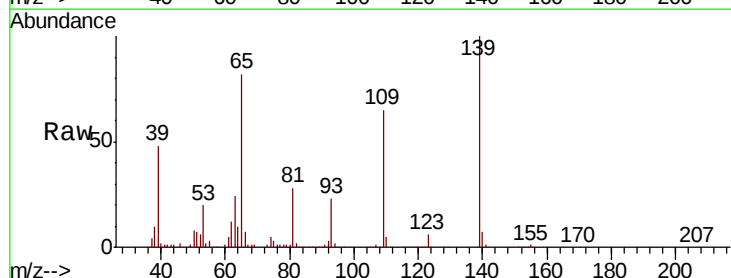
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 74.087 ng
RT: 14.66 min Scan# 1985
Delta R.T. 0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.2	44.8	84.8
65	82.5	66.6	106.6

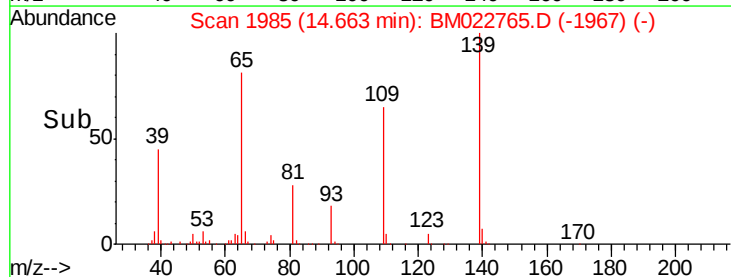
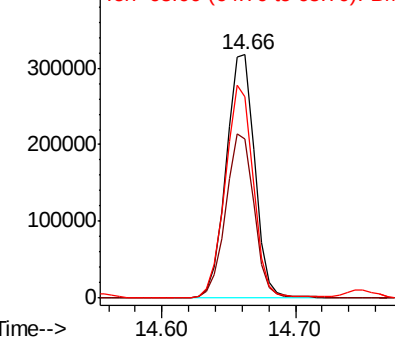


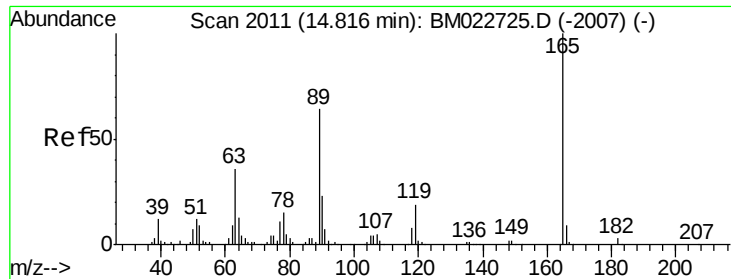
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E





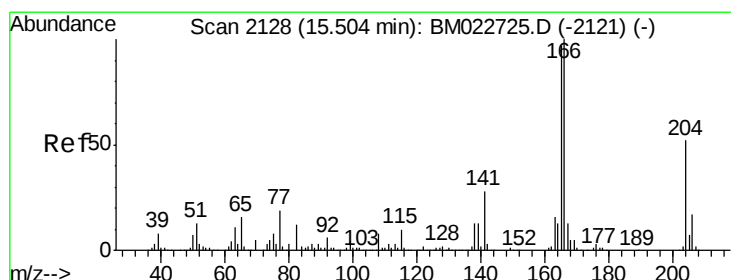
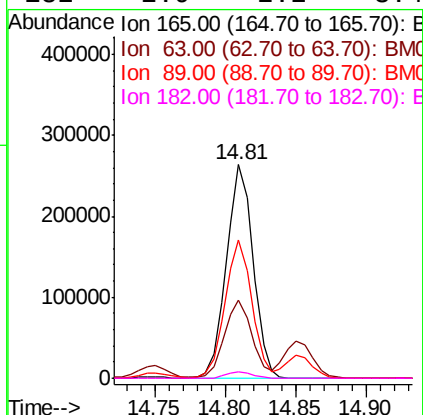
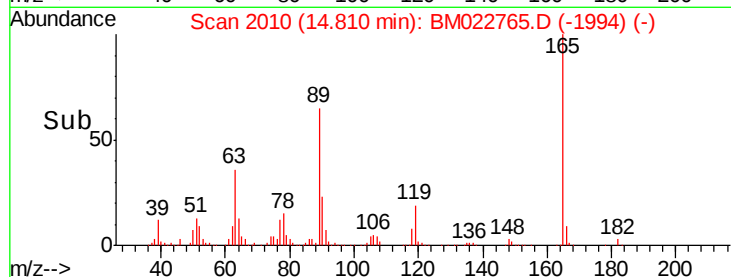
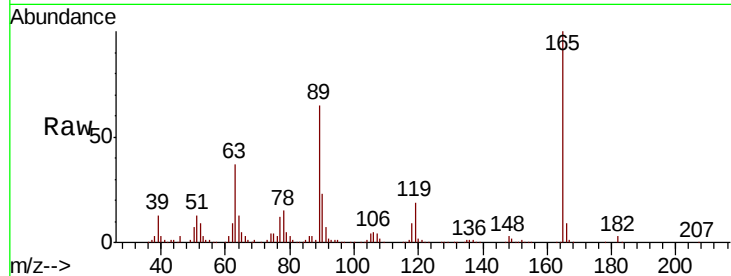
#57
2,4-Dinitrotoluene
Concen: 36.866 ng
RT: 14.81 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	345870		
63	36.7	30.1	45.1	
89	64.8	52.5	78.7	
182	2.9	2.2	3.4	

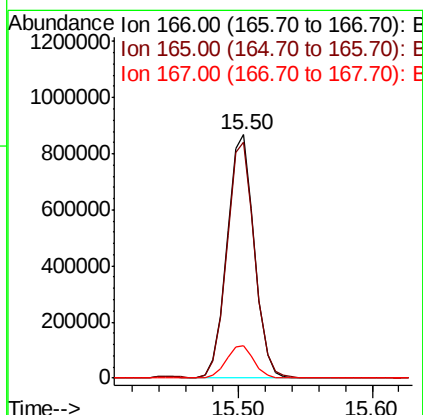
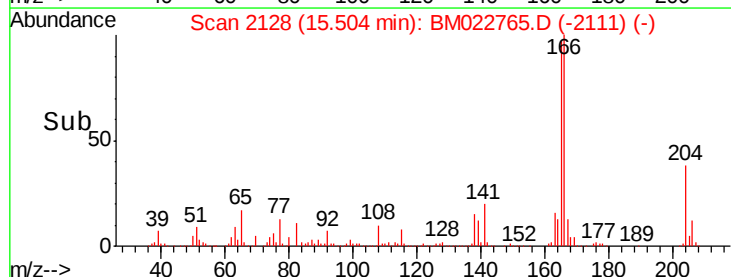
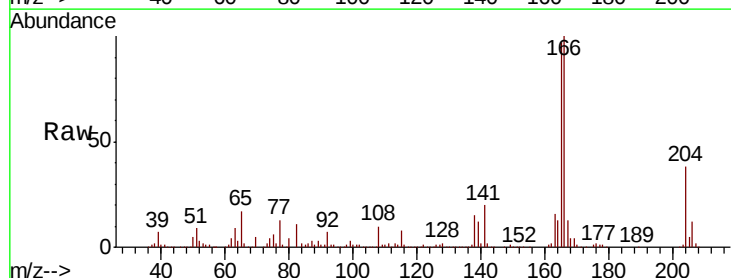
Manual Integrations
APPROVED

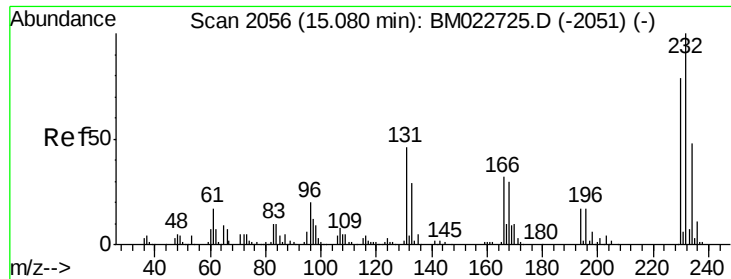
mohammad
9/26/2019 8:25:46 AM



#58
Fluorene
Concen: 36.714 ng
RT: 15.50 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1233148		
165	96.8	77.6	116.4	
167	13.1	10.8	16.2	





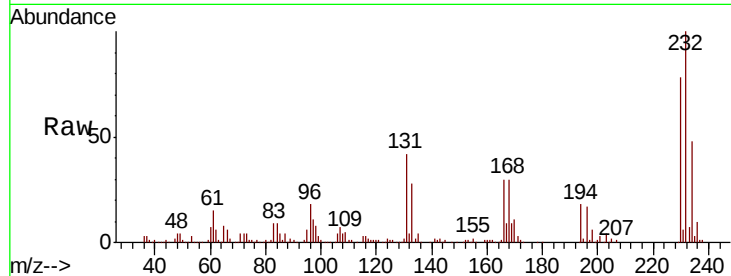
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 37.579 ng
 RT: 15.08 min Scan# 2056
 Delta R.T. -0.00 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

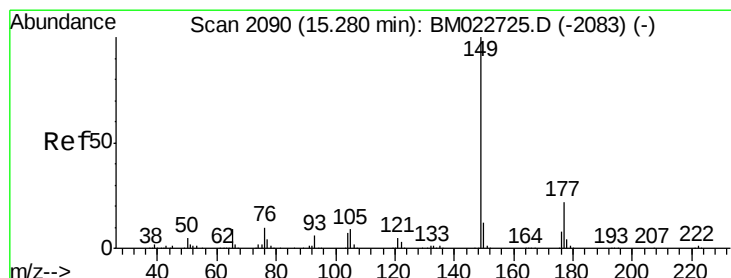
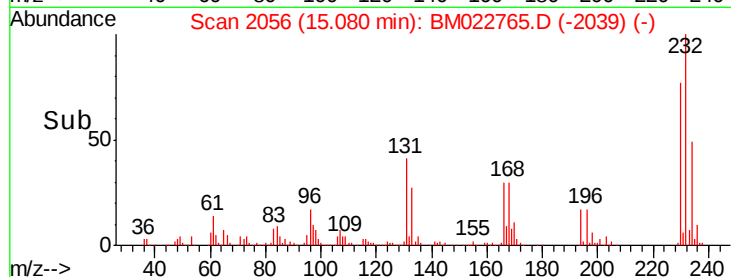
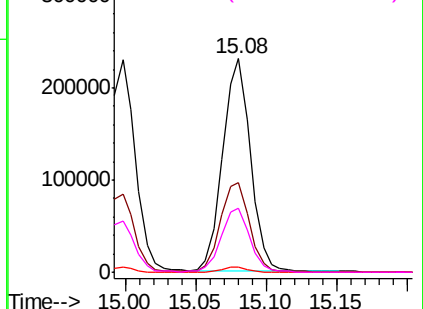
Tot Ion	Ratio	Resp	Lower	Upper
232	100	316417		
131	43.6		36.3	54.5
130	2.3		1.8	2.8
166	30.5		25.0	37.4

Manual Integrations
 APPROVED

mohammad
 9/26/2019 8:25:46 AM

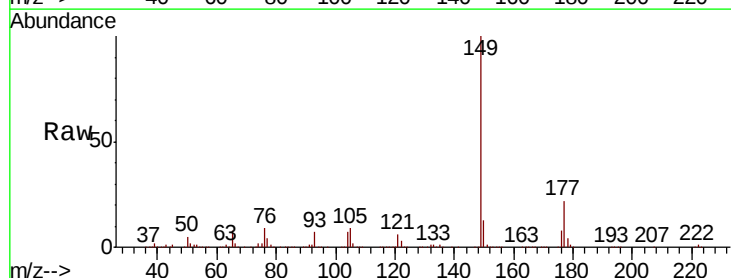


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

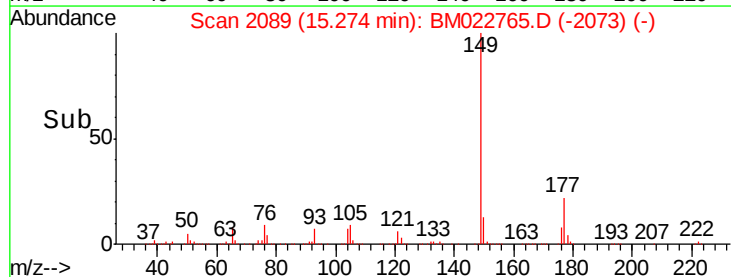
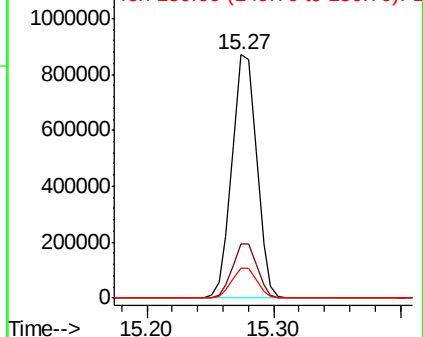


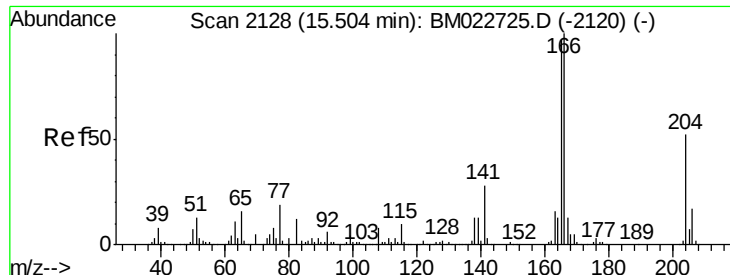
#60
 Diethylphthalate
 Concen: 35.328 ng
 RT: 15.27 min Scan# 2089
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1176041		
177	22.2		17.6	26.4
150	12.5		9.9	14.9



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





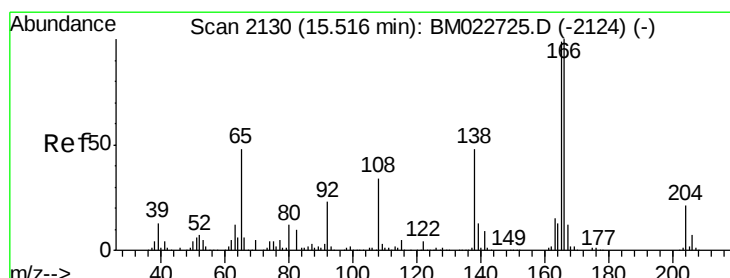
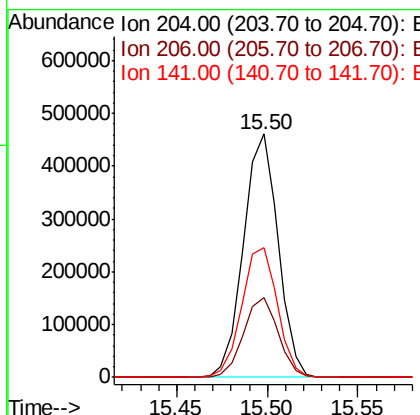
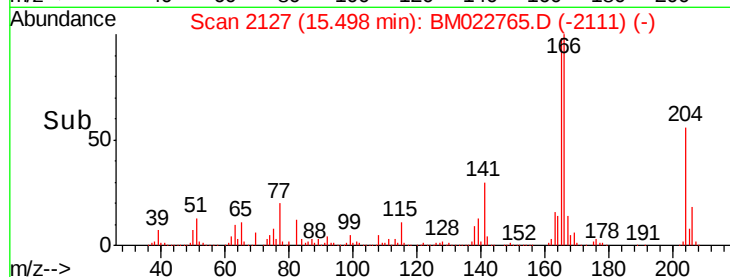
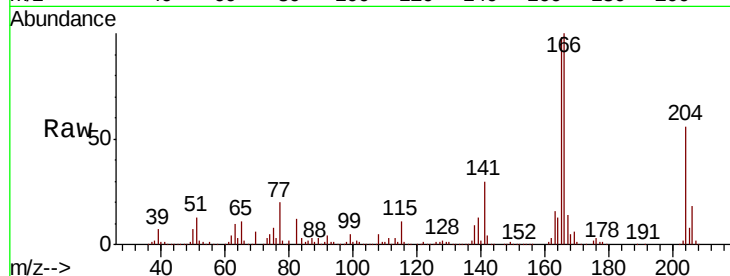
#61
4-Chlorophenyl-phenylether
Concen: 35.452 ng
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.4
141	53.1	42.6	64.0

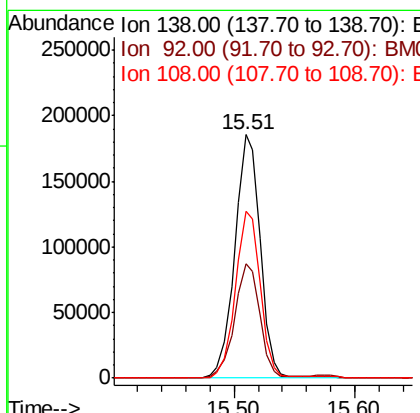
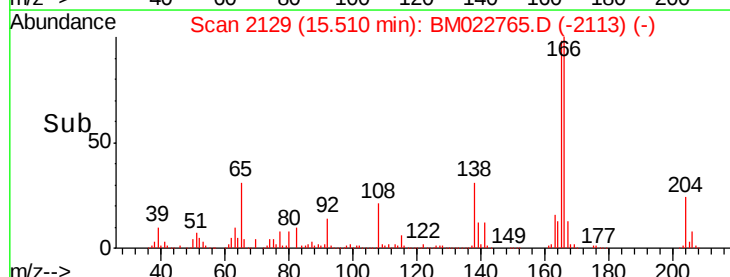
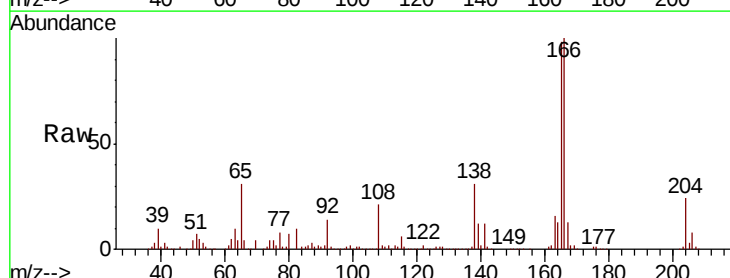
Manual Integrations
APPROVED

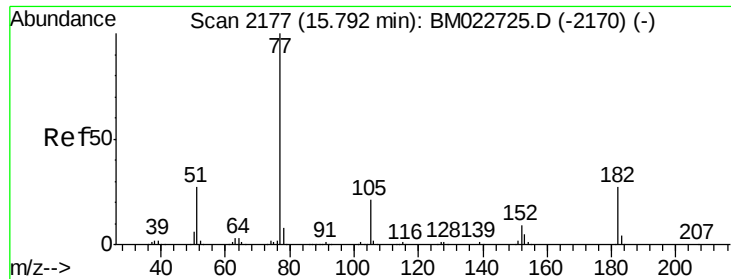
mohammad
9/26/2019 8:25:46 AM



#62
4-Nitroaniline
Concen: 31.550 ng
RT: 15.51 min Scan# 2129
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.1	28.7	68.7
108	68.3	50.3	90.3





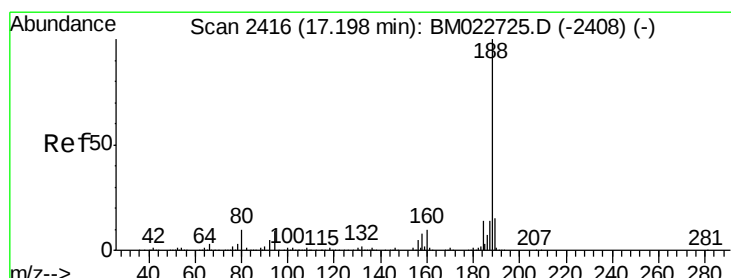
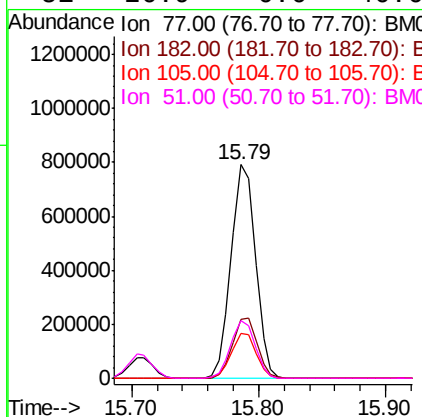
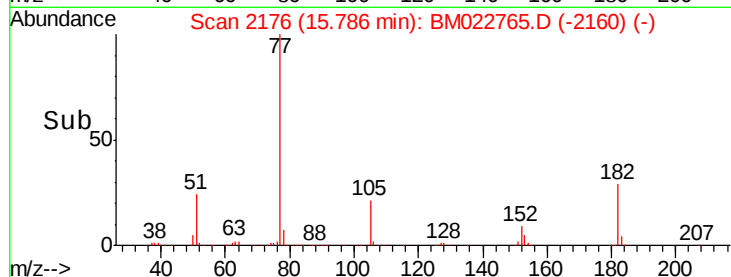
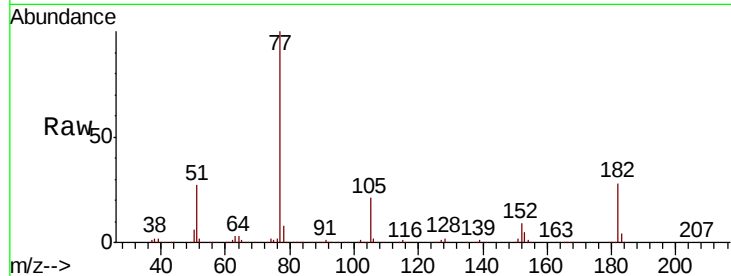
#63
Azobenzene
Concen: 35.085 ng
RT: 15.79 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
77	100		
182	27.8	7.0	47.0
105	21.0	0.9	40.9
51	26.9	6.6	46.6

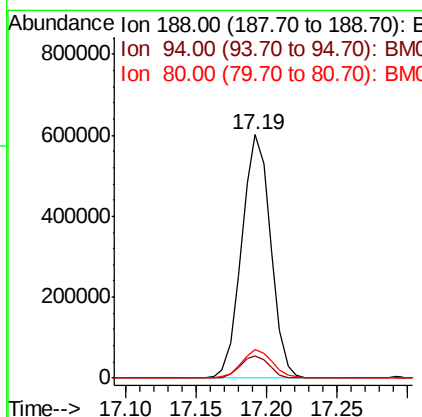
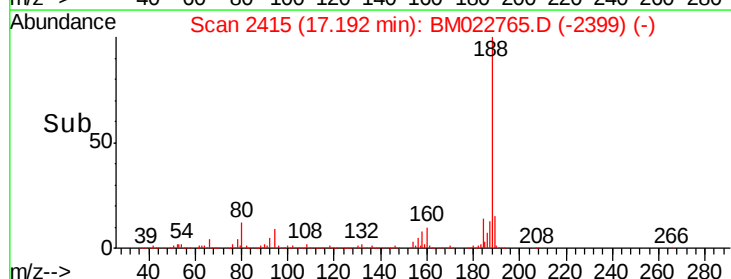
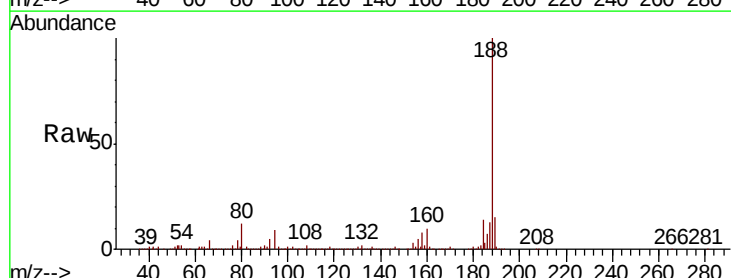
Manual Integrations
APPROVED

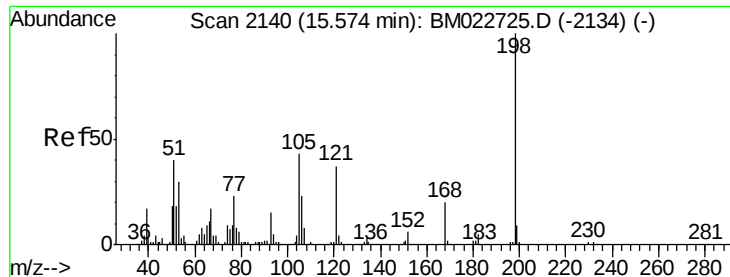
mohammad
9/26/2019 8:25:46 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	11.6	7.8	11.8





#65

4,6-Dinitro-2-methylphenol

Concen: 30.039 ng

RT: 15.57 min Scan# 2140

Delta R.T. 0.00 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:198 Resp: 117376

Ion Ratio Lower Upper

198 100

51 39.1 21.0 61.0

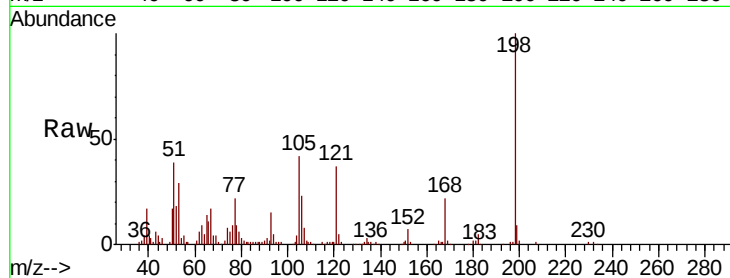
105 41.9 22.5 62.5

Manual Integrations

APPROVED

mohammad

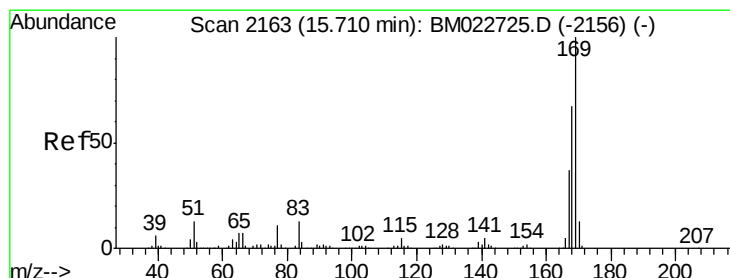
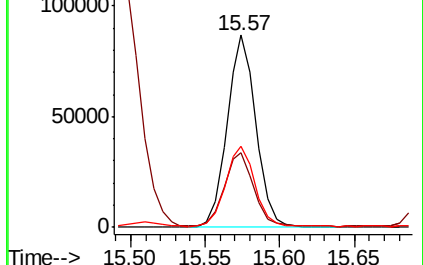
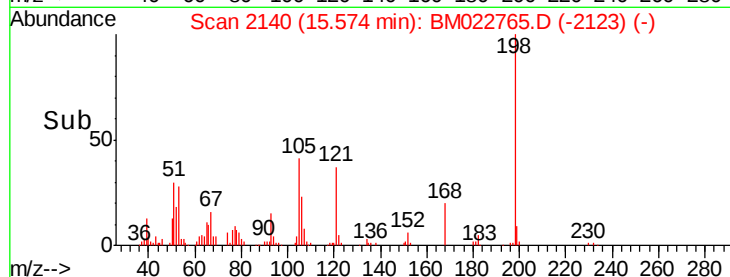
9/26/2019 8:25:46 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 39.435 ng

RT: 15.71 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

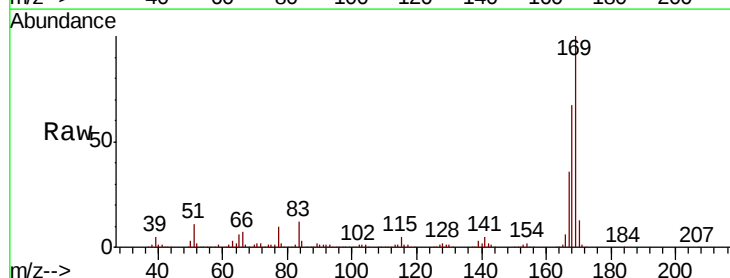
Tgt Ion:169 Resp: 1036363

Ion Ratio Lower Upper

169 100

168 67.4 53.4 80.2

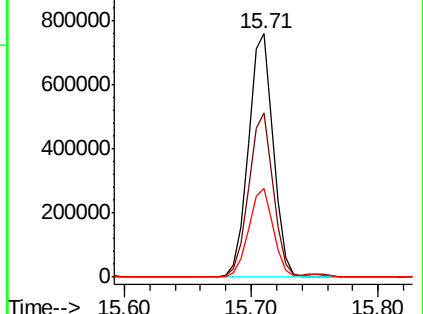
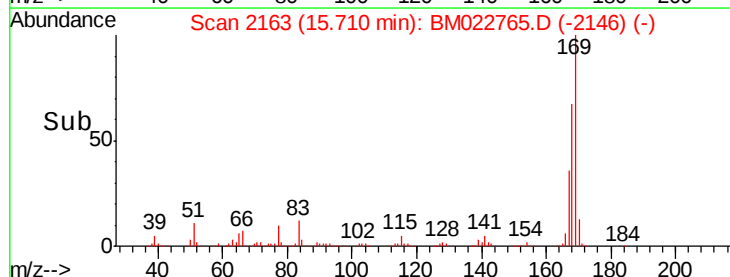
167 36.4 29.3 43.9

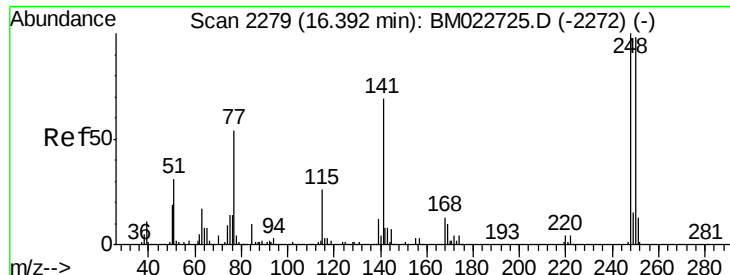


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





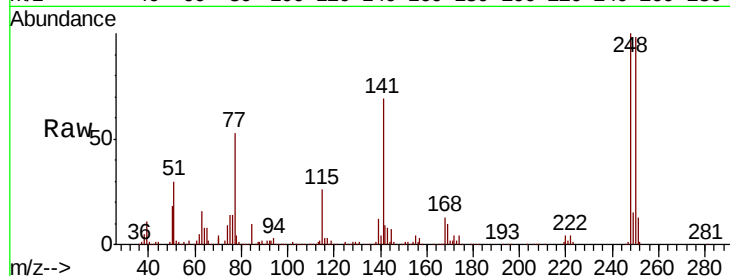
#67
 4-Bromophenyl-phenylether
 Concen: 38.535 ng
 RT: 16.39 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.4	117.6
141	69.2	55.1	82.7

Manual Integrations
 APPROVED

mohammad
 9/26/2019 8:25:46 AM

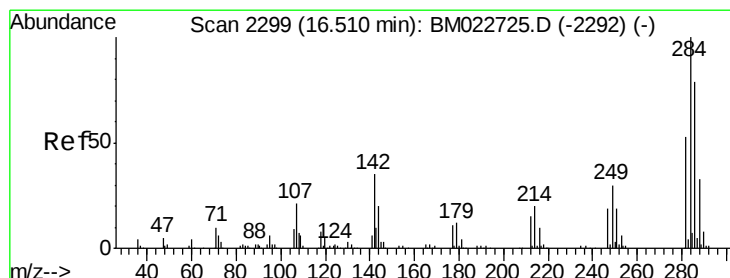
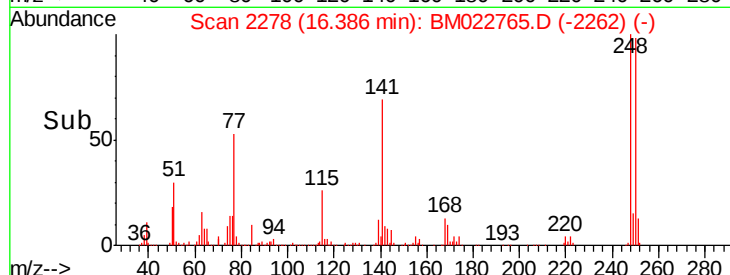
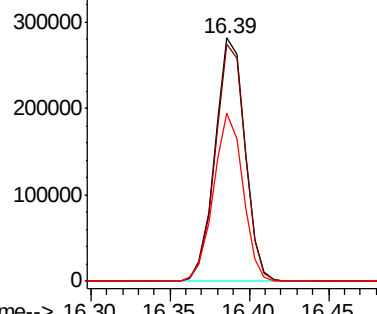


Abundance

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: 36.032 ng
 RT: 16.51 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

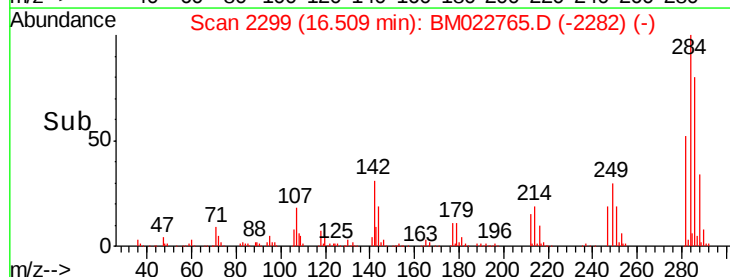
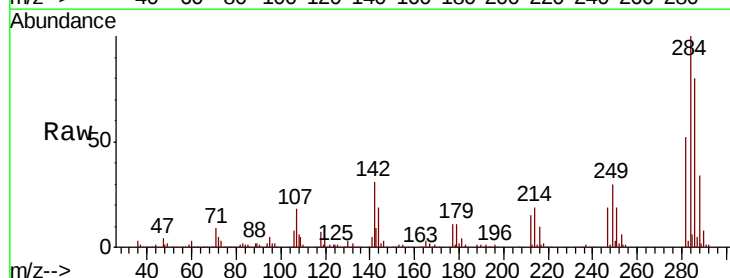
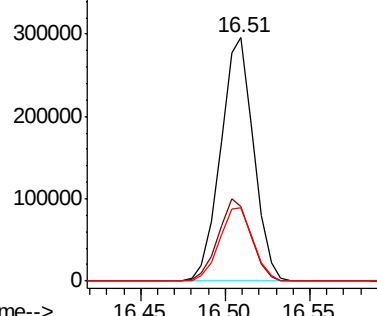
Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.9	27.8	41.8
249	30.4	24.4	36.6

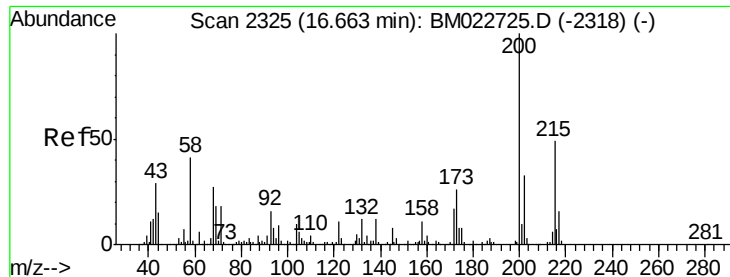
Abundance

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





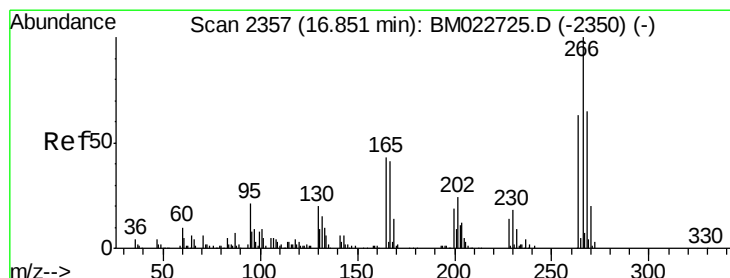
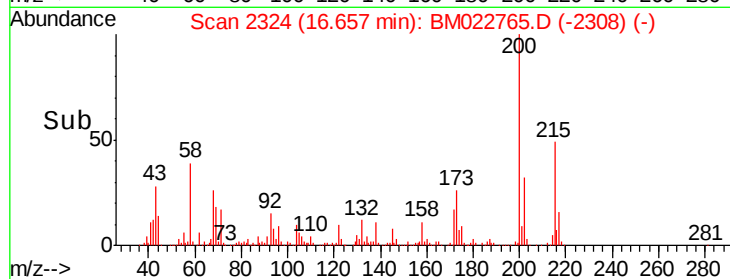
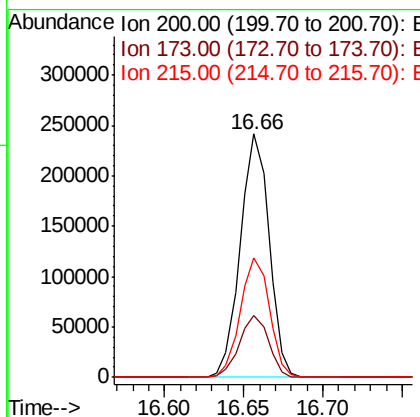
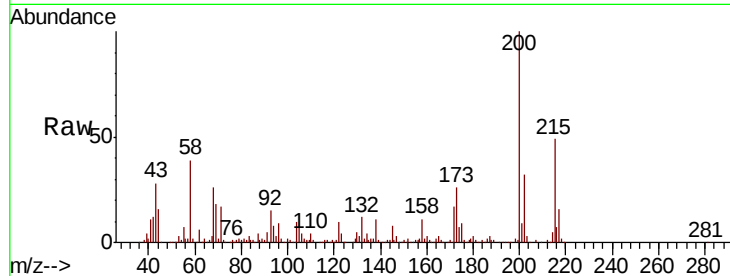
#69
Atrazine
Concen: 35.681 ng
RT: 16.66 min Scan# 2324
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Resp	Lower	Upper
200	100			
173	25.5	5.8	45.8	
215	49.0	29.2	69.2	

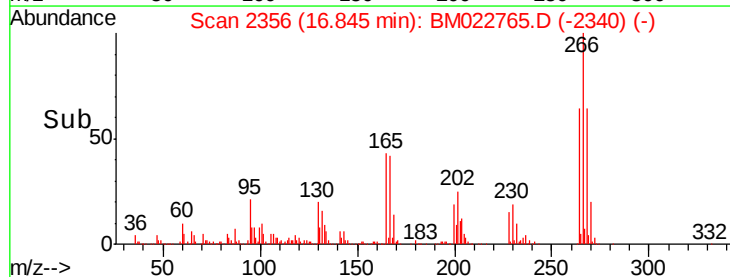
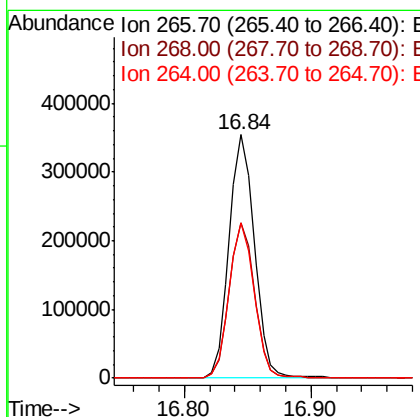
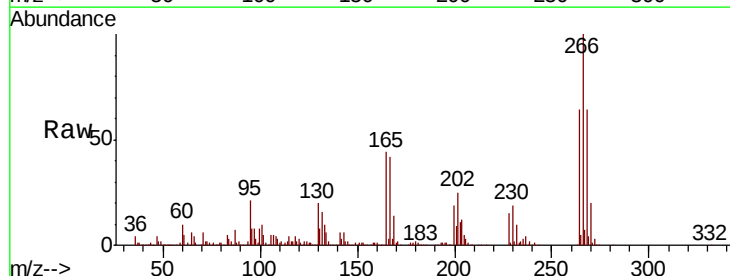
Manual Integrations
APPROVED

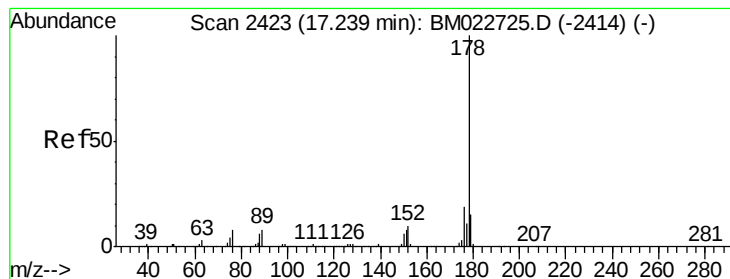
mohammad
9/26/2019 8:25:46 AM



#70
Pentachlorophenol
Concen: 82.654 ng
RT: 16.84 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	63.9	51.8	77.6	
264	63.7	50.2	75.4	





#71

Phenanthrene

Concen: 41.268 ng

RT: 17.23 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:178 Resp: 2003114

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

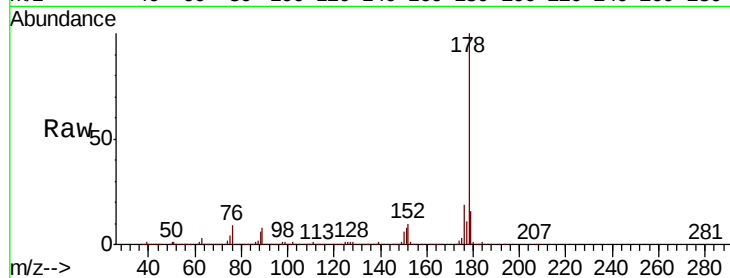
179 15.5 12.3 18.5

Manual Integrations

APPROVED

mohammad

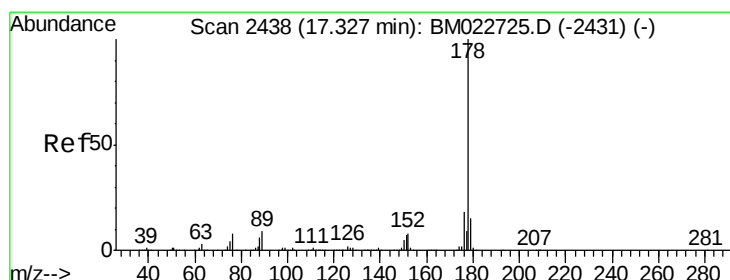
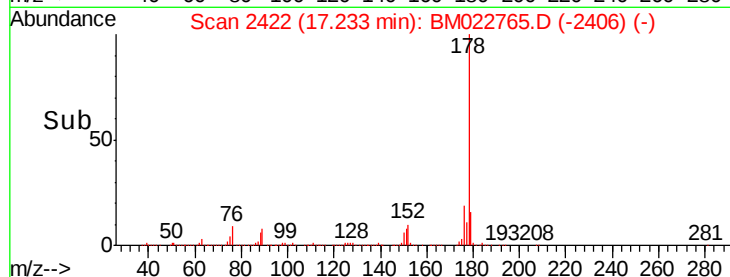
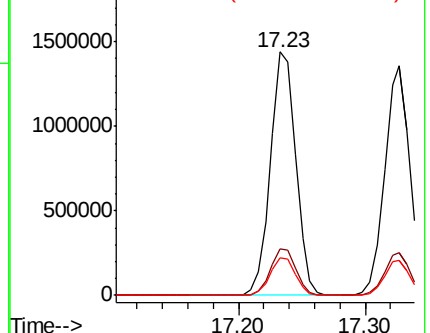
9/26/2019 8:25:46 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 40.130 ng

RT: 17.33 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:178 Resp: 1887808

Ion Ratio Lower Upper

178 100

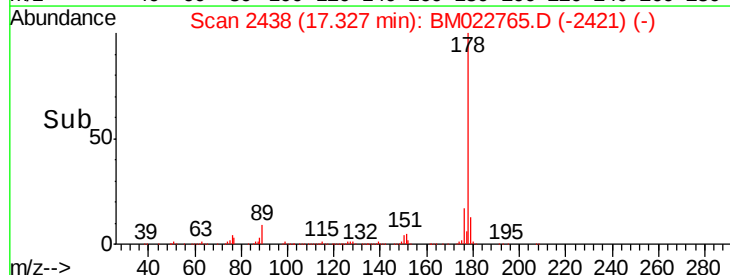
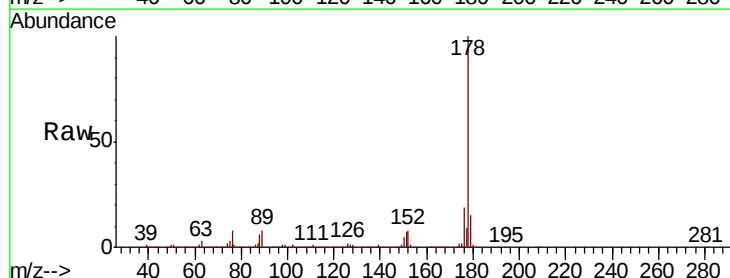
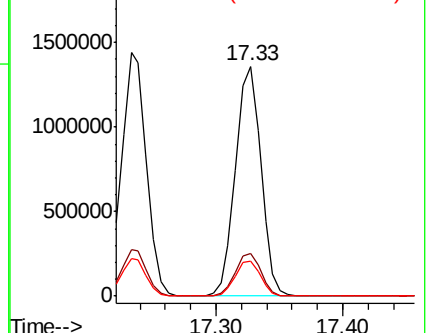
176 18.7 14.7 22.1

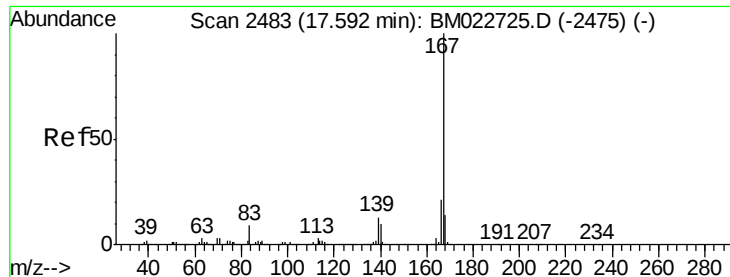
179 15.0 12.2 18.4

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 37.219 ng

RT: 17.59 min Scan# 2483

Delta R.T. -0.00 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:167 Resp: 1629308

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.4

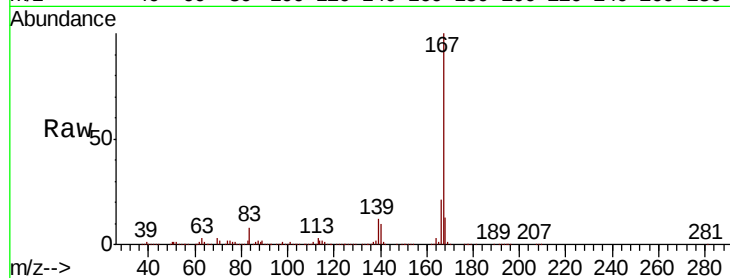
139 12.4 10.1 15.1

Manual Integrations

APPROVED

mohammad

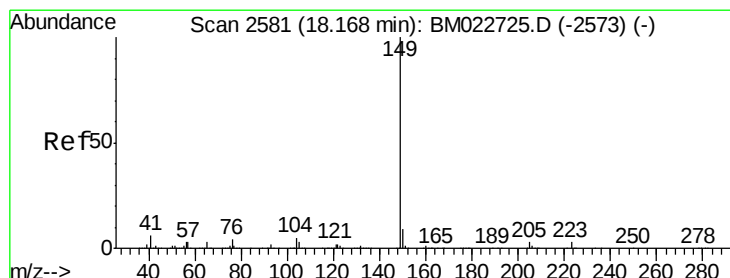
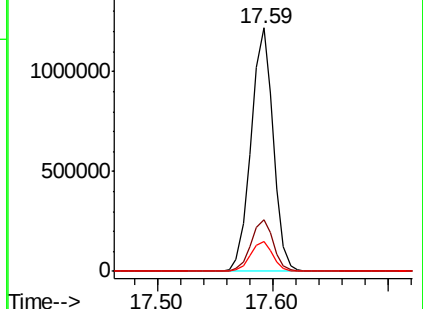
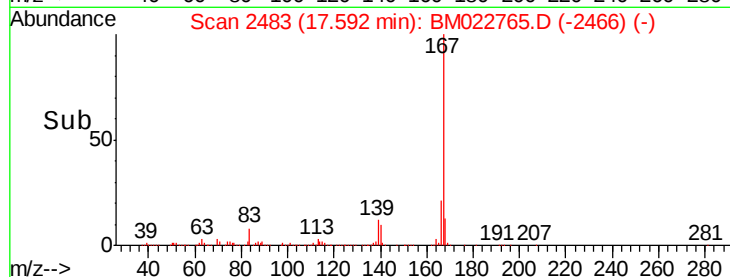
9/26/2019 8:25:46 AM



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 38.268 ng

RT: 18.16 min Scan# 2580

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

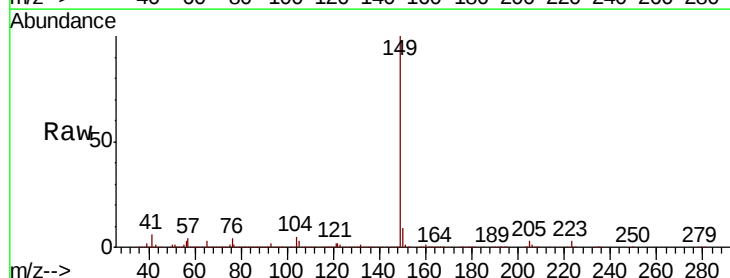
Tgt Ion:149 Resp: 1899478

Ion Ratio Lower Upper

149 100

150 9.0 7.3 10.9

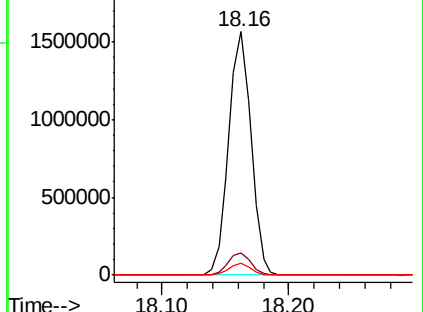
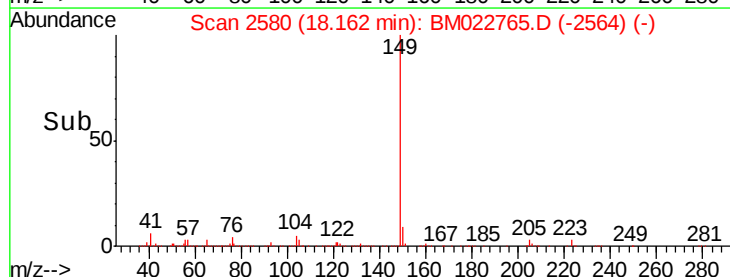
104 4.7 3.8 5.6

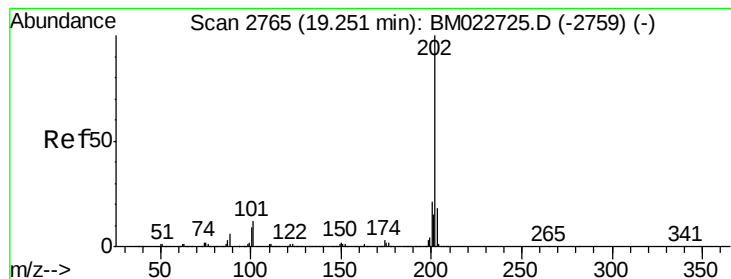


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





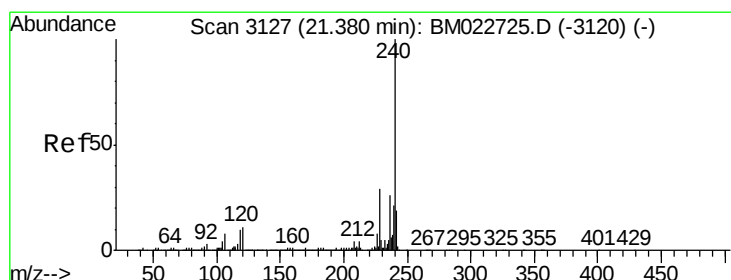
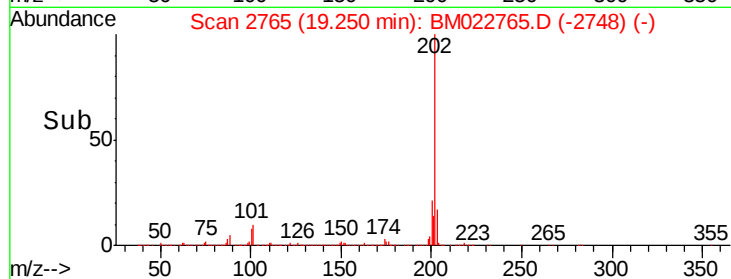
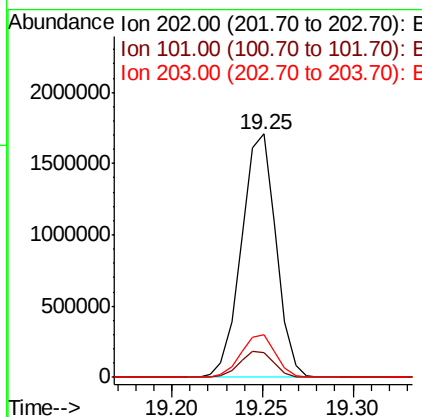
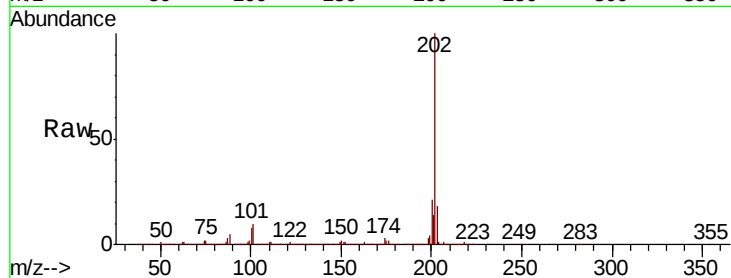
#75
 Fluoranthene
 Concen: 41.264 ng
 RT: 19.25 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	2260160		
101	10.3		0.0	32.1
203	17.5		0.0	37.7

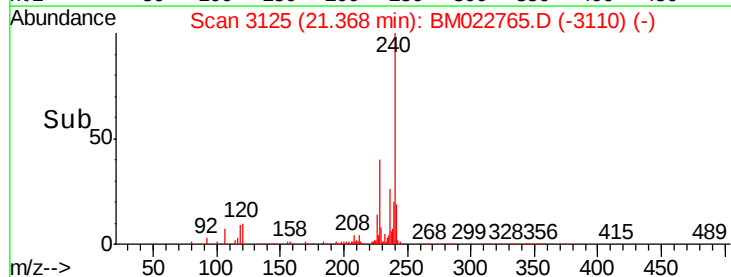
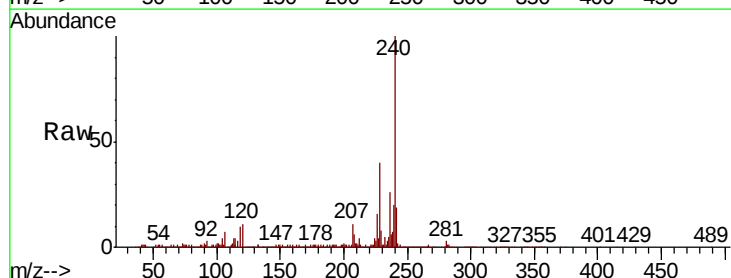
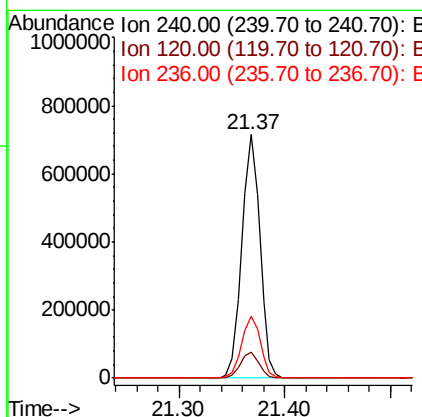
Manual Integrations
 APPROVED

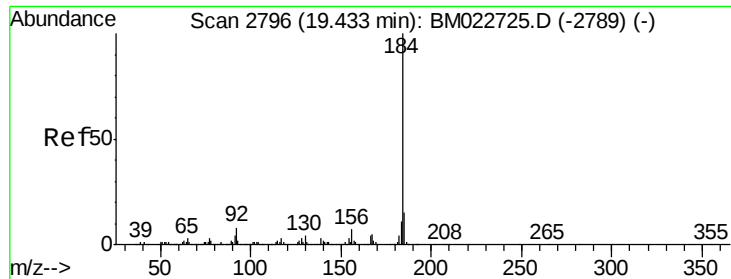
mohammad
 9/26/2019 8:25:46 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.37 min Scan# 3125
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	844001		
120	10.6		8.8	13.2
236	25.7		20.8	31.2





#77

Benzidine

Concen: 49.376 ng

RT: 19.43 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

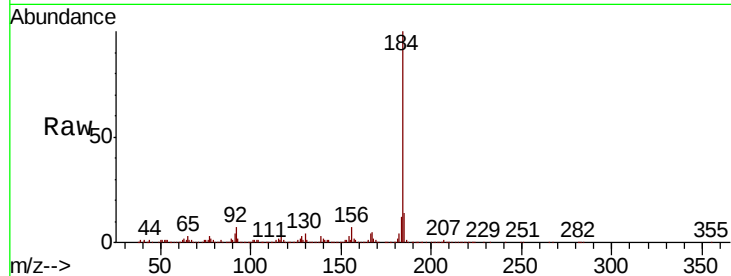
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.6	9.1	13.7

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM

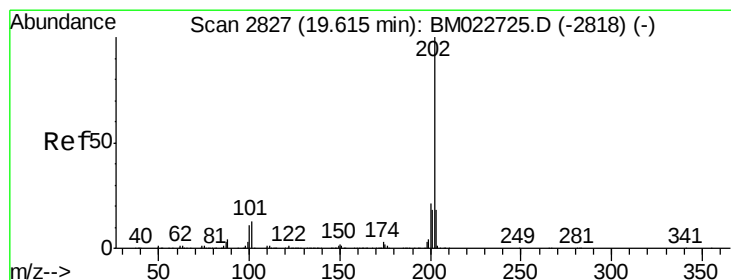
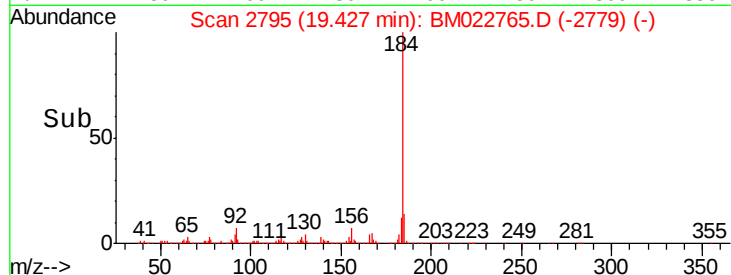
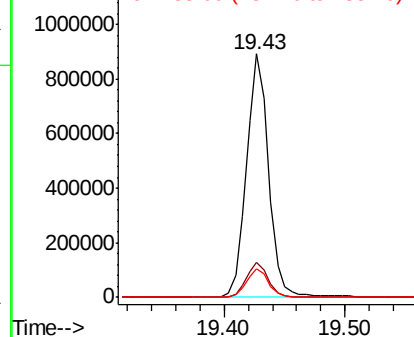


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.441 ng

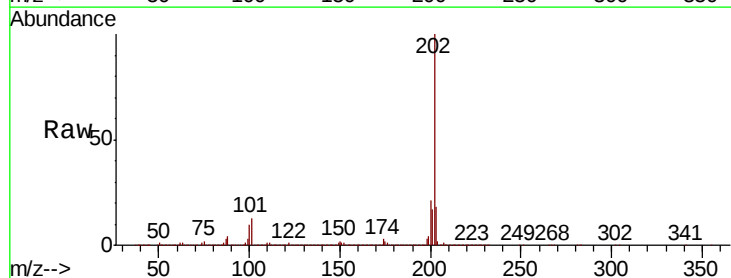
RT: 19.61 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.6	14.1	21.1

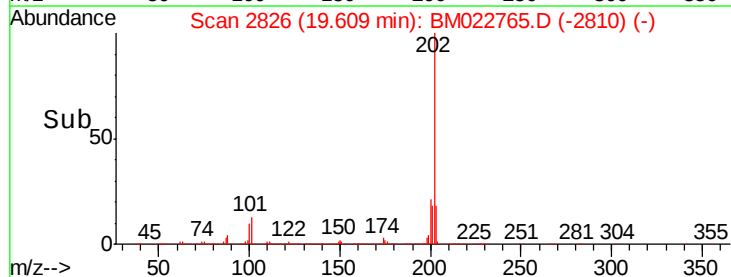
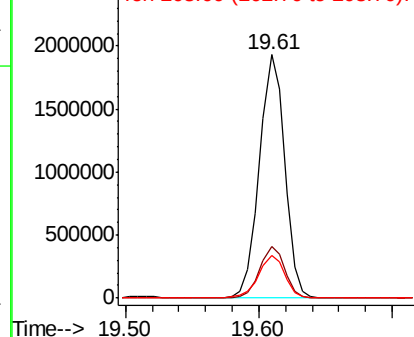


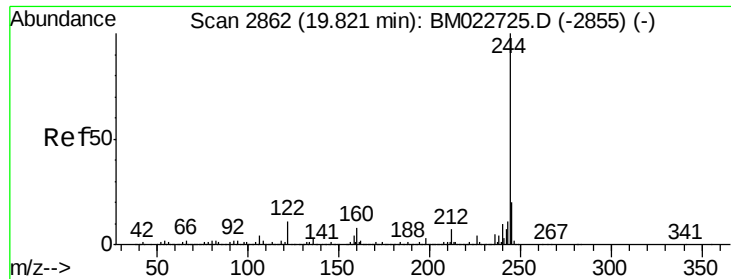
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





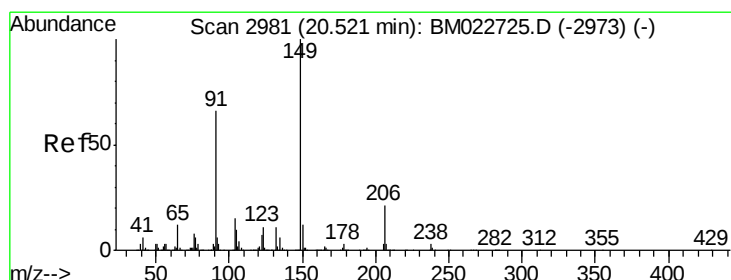
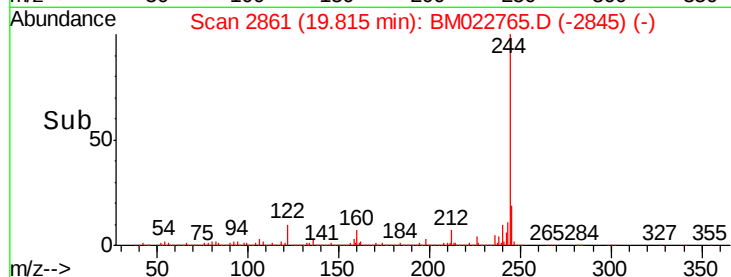
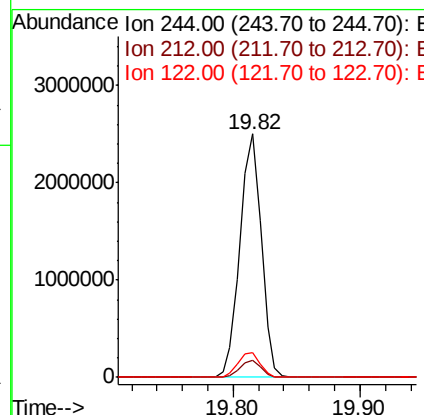
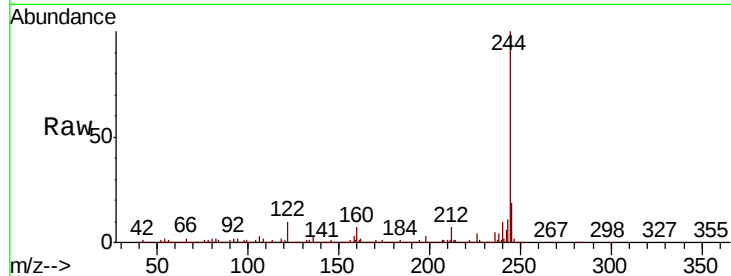
#79
 Terphenyl-d14
 Concen: 66.594 ng
 RT: 19.82 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	10.1	9.0	13.4

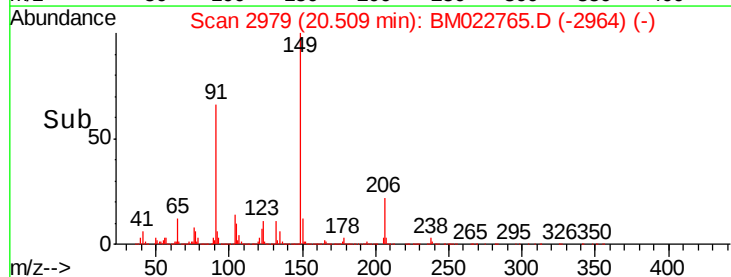
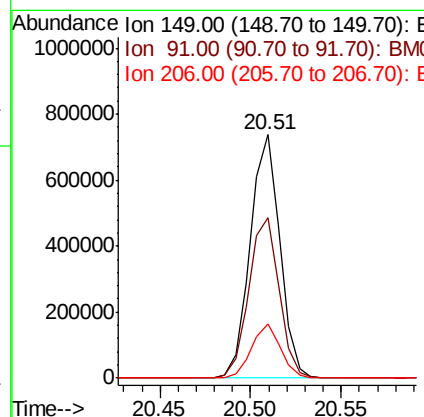
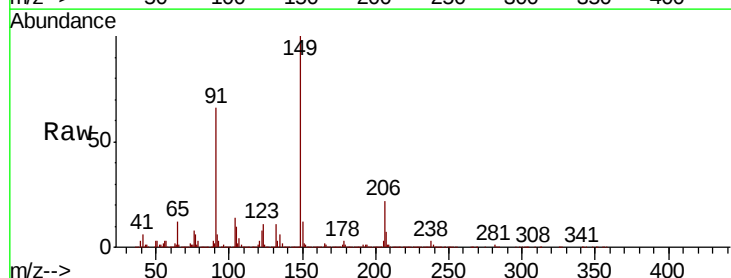
Manual Integrations
 APPROVED

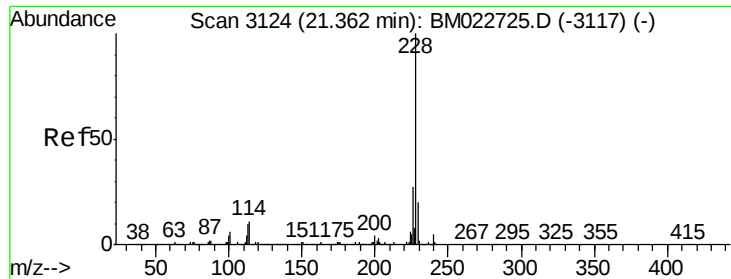
mohammad
 9/26/2019 8:25:46 AM



#80
 Butylbenzylphthalate
 Concen: 39.641 ng
 RT: 20.51 min Scan# 2979
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.7	53.0	79.4
206	22.0	16.9	25.3





#81

Benzo(a)anthracene

Concen: 41.550 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

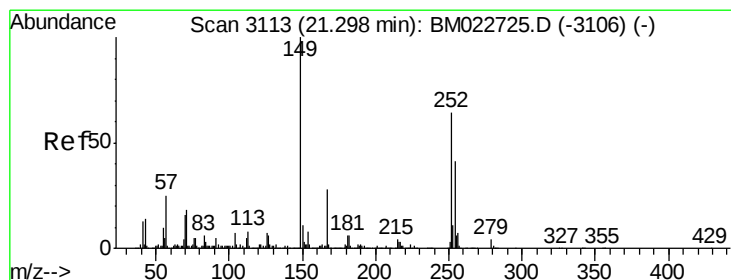
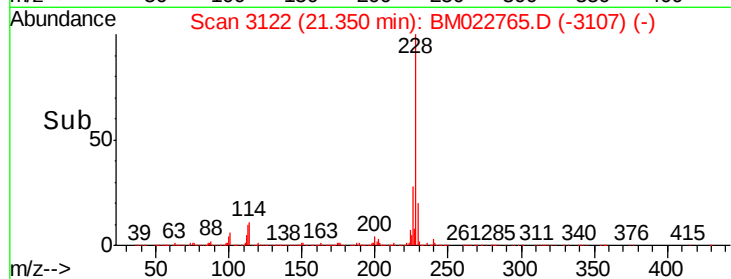
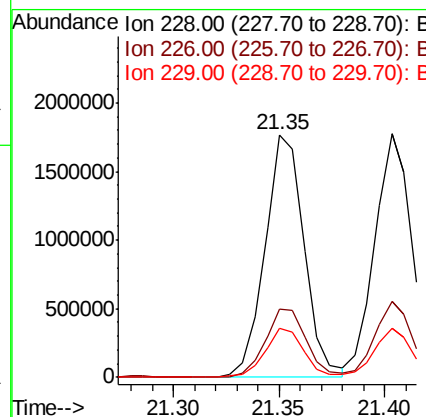
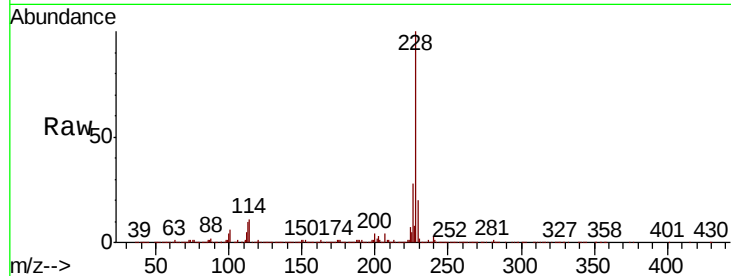
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:	228	Resp:	2272816
Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.0	33.0
229	20.2	15.9	23.9

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#82

3,3'-Dichlorobenzidine

Concen: 35.177 ng

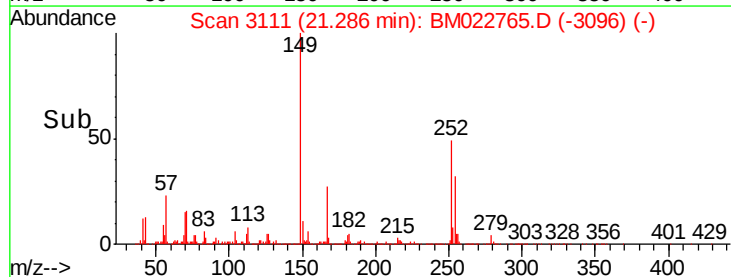
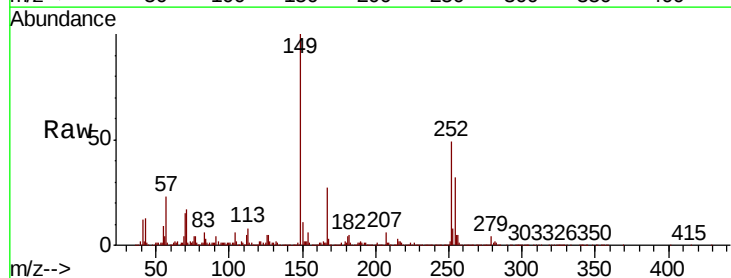
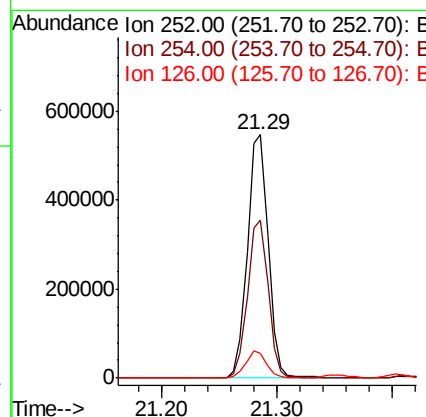
RT: 21.29 min Scan# 3111

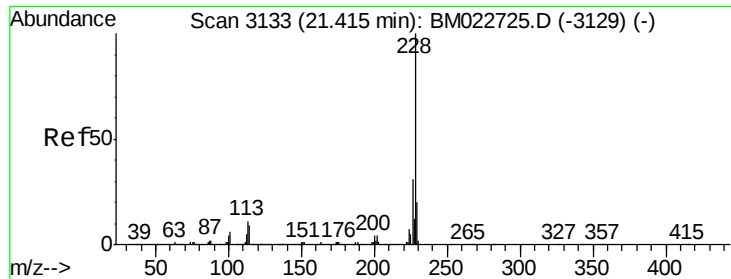
Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:	252	Resp:	682393
Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.7	77.5
126	10.1	8.3	12.5





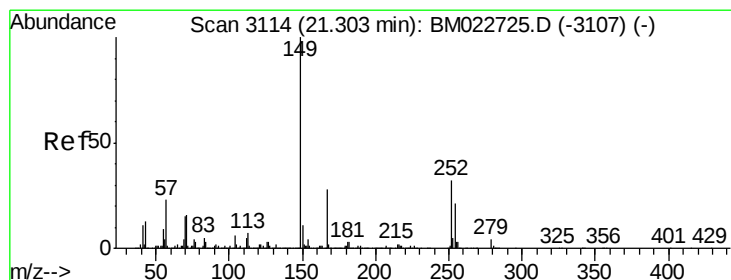
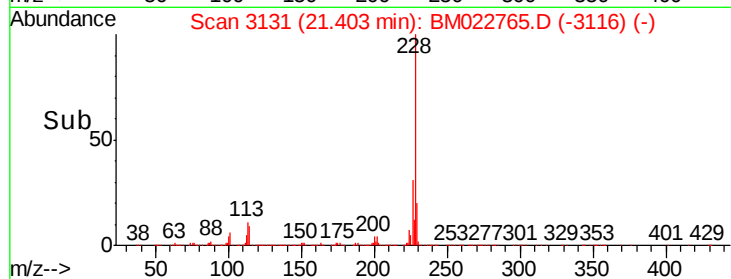
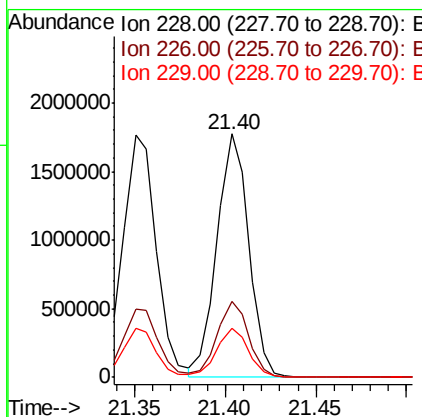
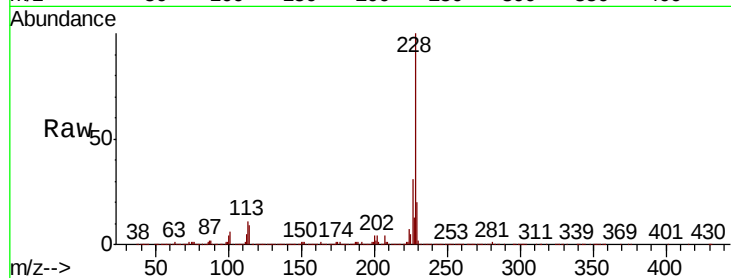
#83
 Chrysene
 Concen: 40.768 ng
 RT: 21.40 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Instrument :
 BNA_M
 ClientSampleId :
 SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.5	36.7
229	20.2	15.9	23.9

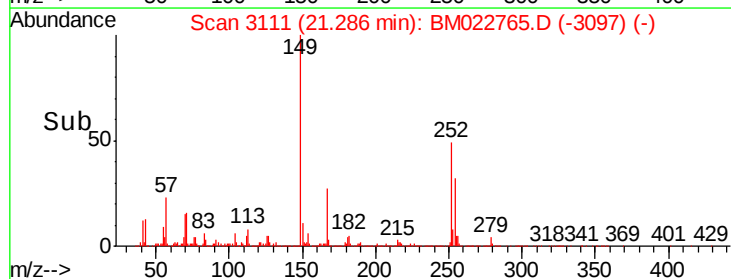
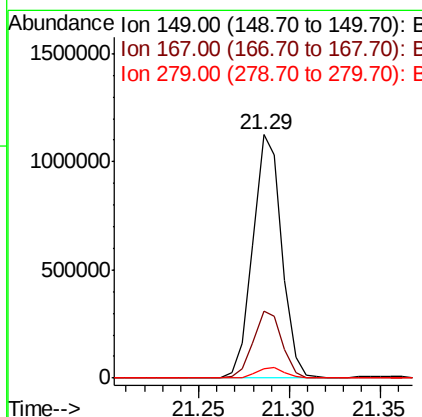
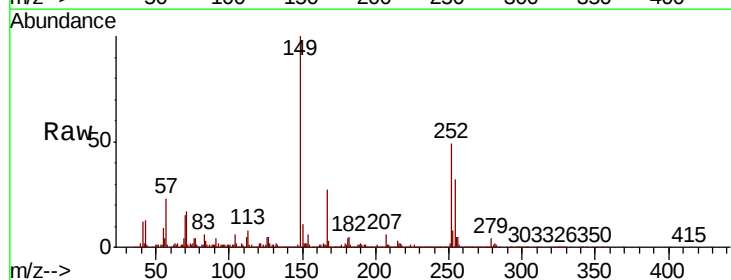
Manual Integrations
 APPROVED

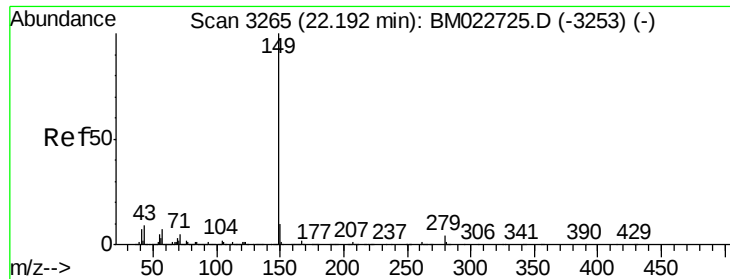
mohammad
 9/26/2019 8:25:46 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 39.703 ng
 RT: 21.29 min Scan# 3111
 Delta R.T. -0.02 min
 Lab File: BM022765.D
 Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.1	33.1
279	4.0	3.4	5.0





#85

Di-n-octyl phthalate

Concen: 42.688 ng

RT: 22.17 min Scan# 3262

Delta R.T. -0.02 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

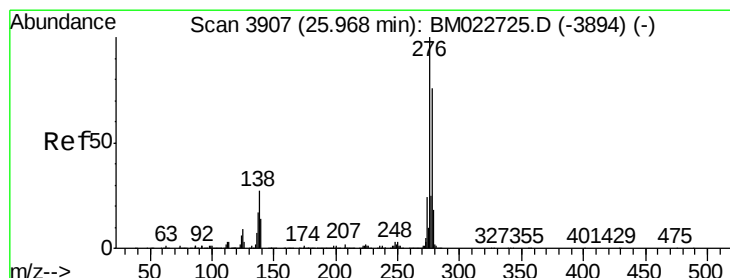
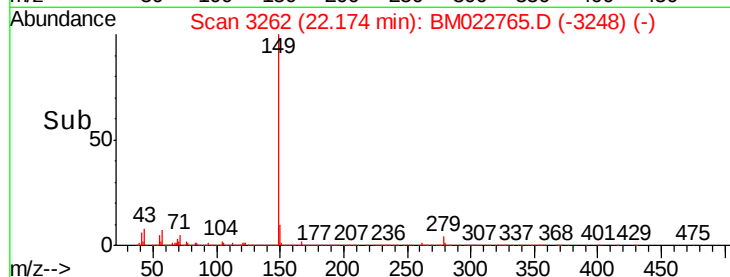
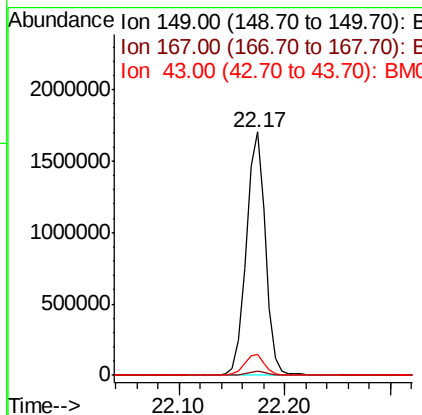
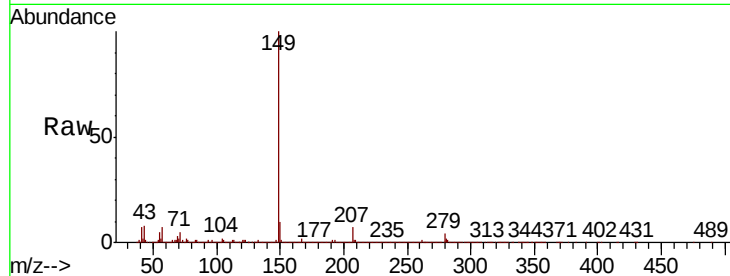
ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:	149	Resp:	2119054
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	7.4	11.0

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#86

Indeno(1,2,3-cd)pyrene

Concen: 46.418 ng

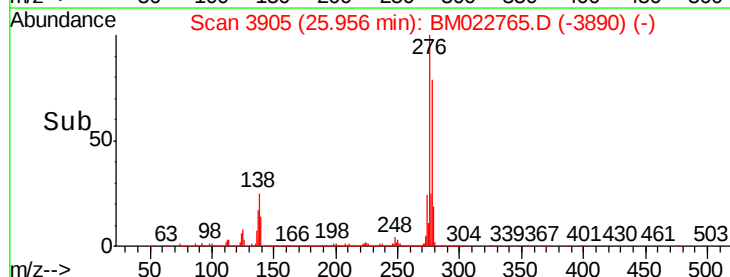
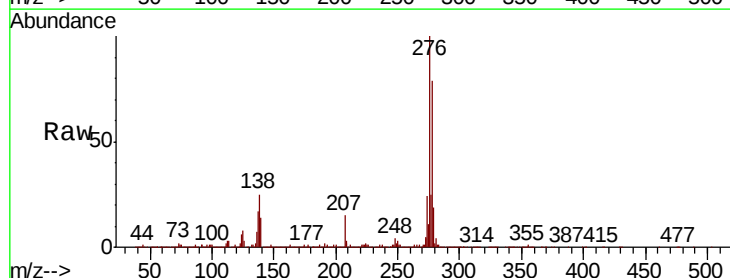
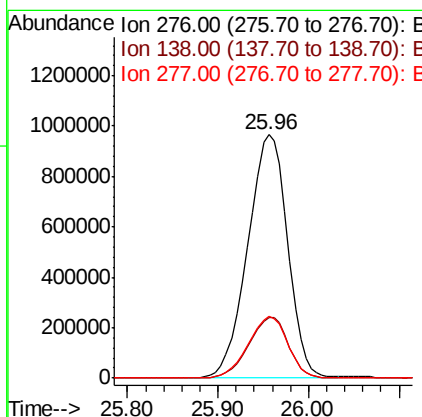
RT: 25.96 min Scan# 3905

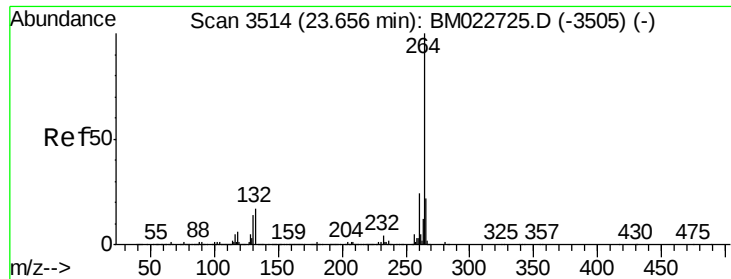
Delta R.T. -0.01 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Tgt Ion:	276	Resp:	2938070
Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.0	0.0#
277	24.8	0.0	0.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.64 min Scan# 3511

Delta R.T. -0.02 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

Instrument :

BNA_M

ClientSampleId :

SAND-STOCKPILE-1MS

Tot Ion:264 Resp: 1034979

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

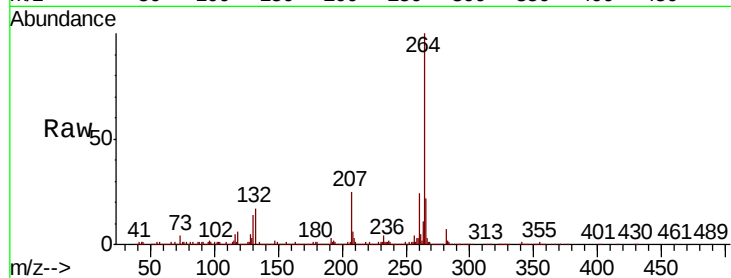
265 22.4 17.9 26.9

Manual Integrations

APPROVED

mohammad

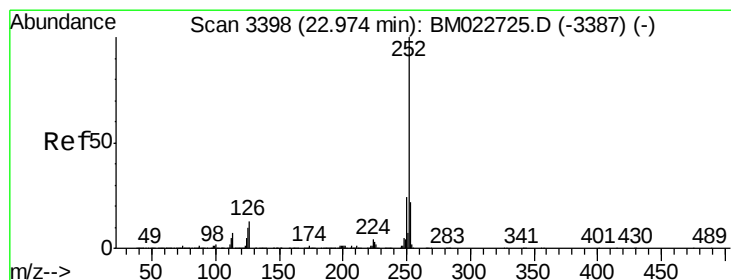
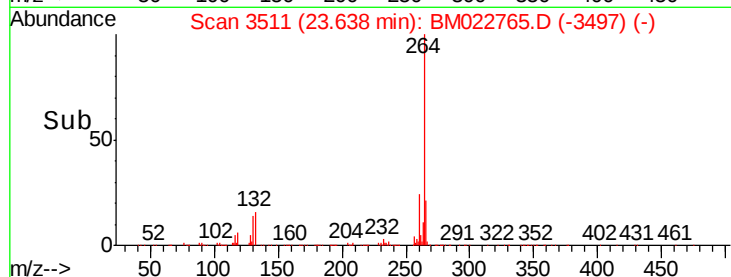
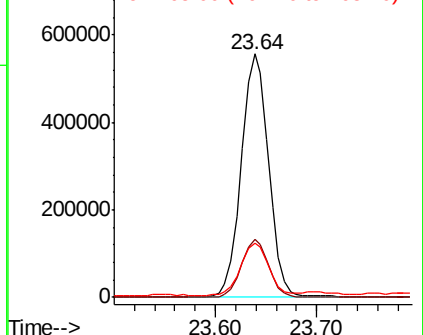
9/26/2019 8:25:46 AM



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 39.910 ng

RT: 22.96 min Scan# 3395

Delta R.T. -0.02 min

Lab File: BM022765.D

Acq: 25 Sep 2019 00:30

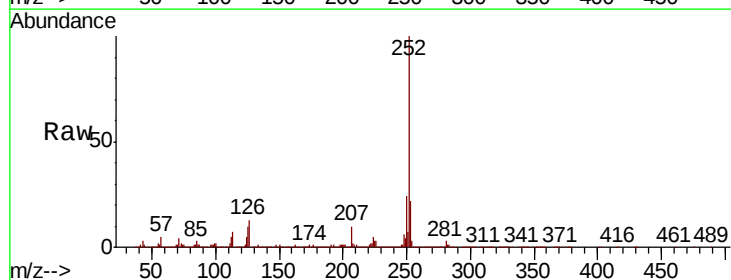
Tgt Ion:252 Resp: 2500981

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

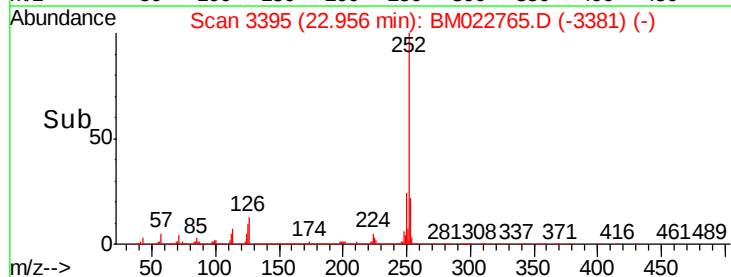
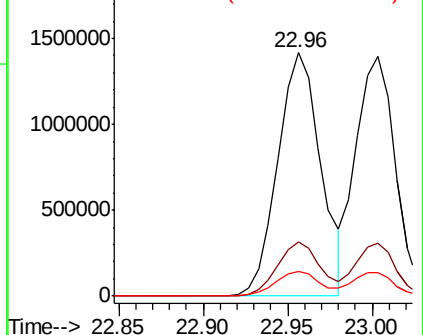
125 10.3 8.2 12.4

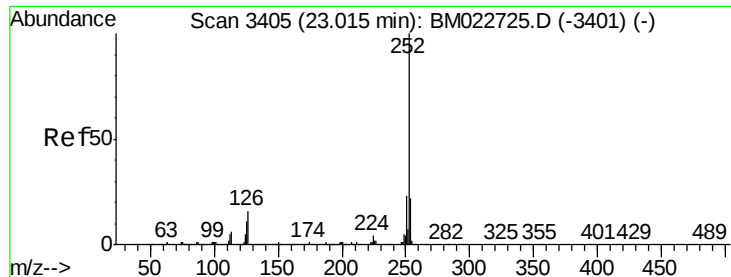


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





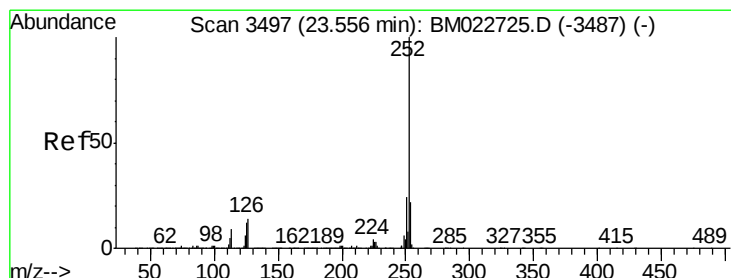
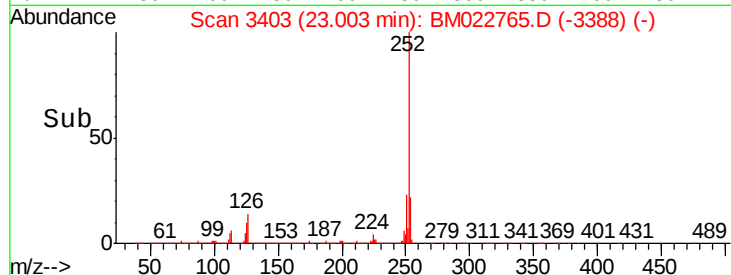
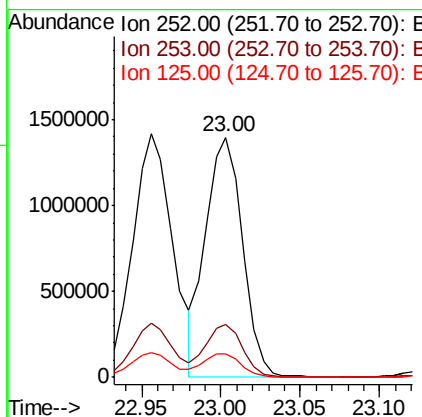
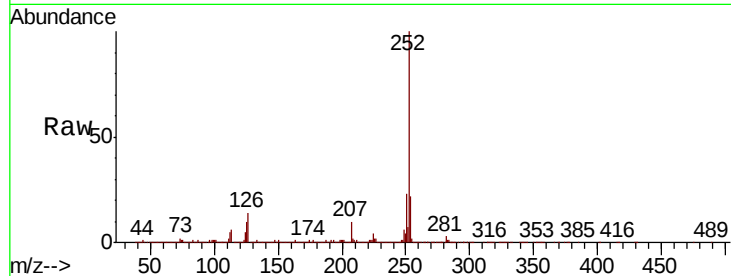
#89
Benzo(k)fluoranthene
Concen: 36.317 ng
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.7	8.5	12.7

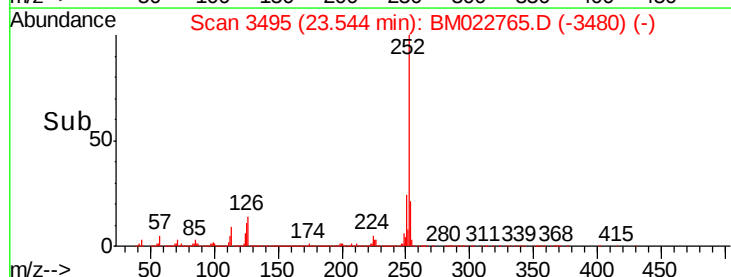
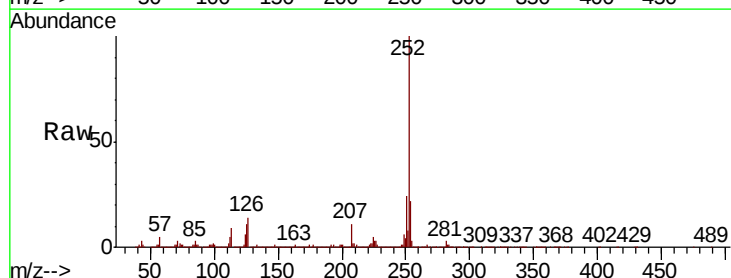
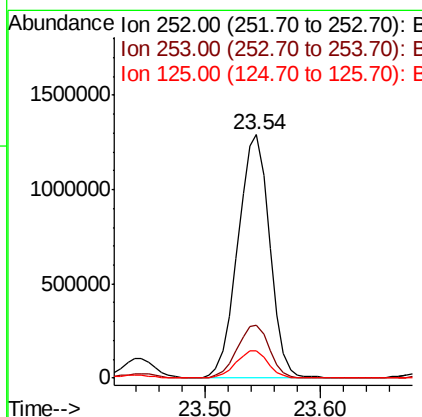
Manual Integrations
APPROVED

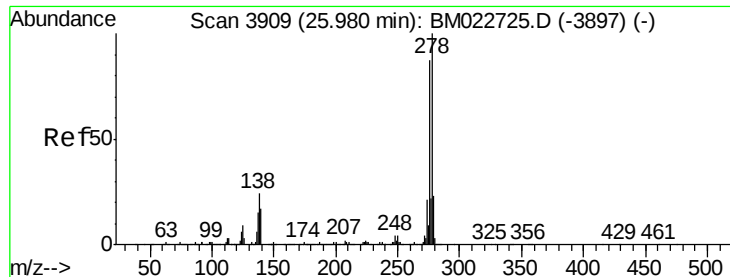
mohammad
9/26/2019 8:25:46 AM



#90
Benzo(a)pyrene
Concen: 42.485 ng
RT: 23.54 min Scan# 3495
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	11.3	9.3	13.9





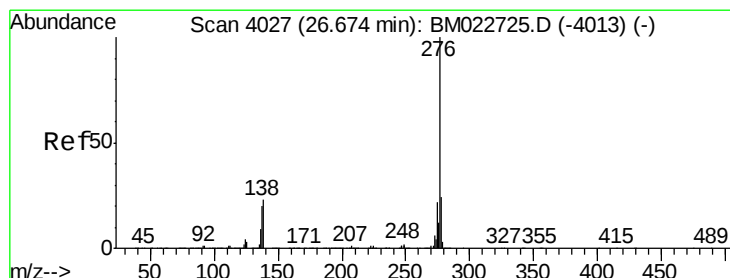
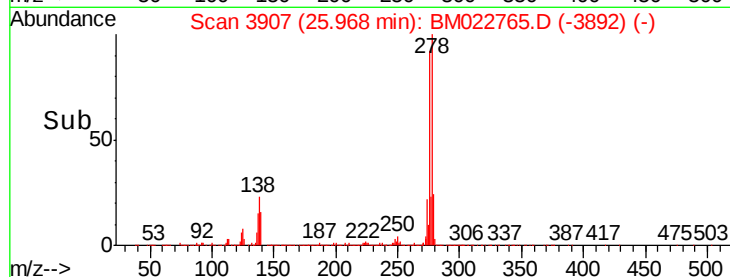
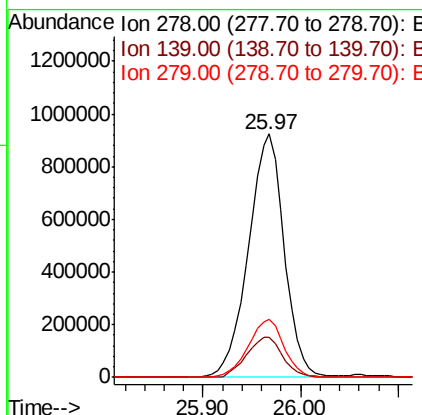
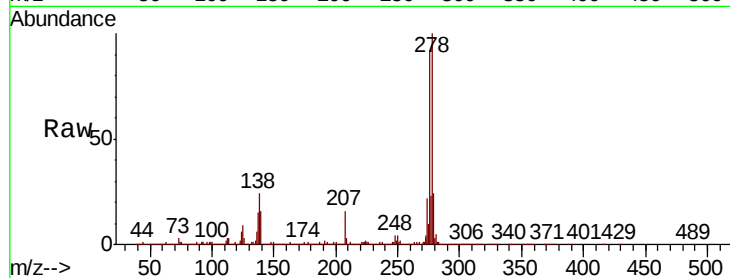
#91
Dibenzo(a,h)anthracene
Concen: 38.907 ng
RT: 25.97 min Scan# 3907
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.7	20.5
279	24.0	18.6	28.0

Manual Integrations
APPROVED

mohammad
9/26/2019 8:25:46 AM



#92
Benzo(g,h,i)perylene
Concen: 43.166 ng
RT: 26.66 min Scan# 4025
Delta R.T. -0.01 min
Lab File: BM022765.D
Acq: 25 Sep 2019 00:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	21.3	18.5	27.7

