

#1

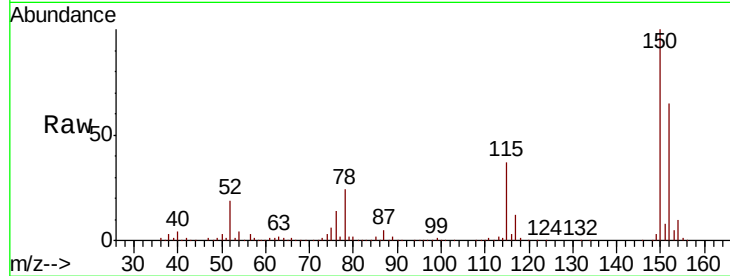
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.4	186.6
115	57.5	48.7	73.1

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM

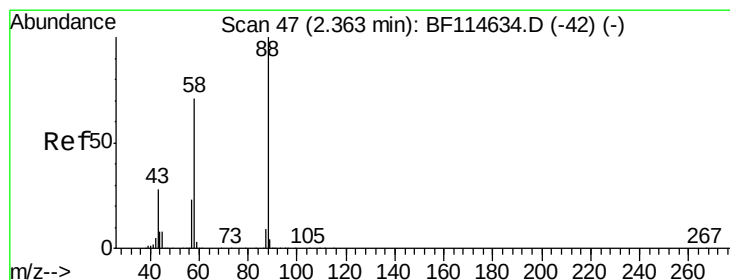
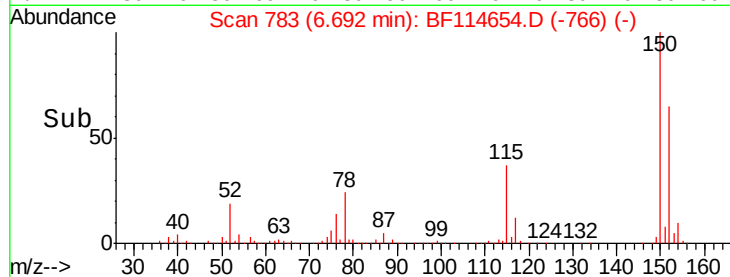
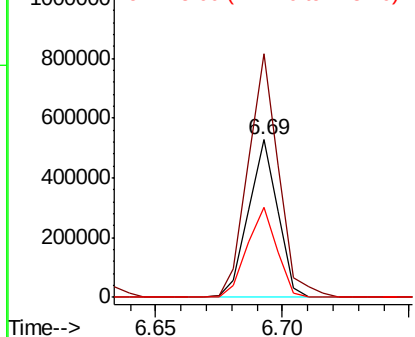


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

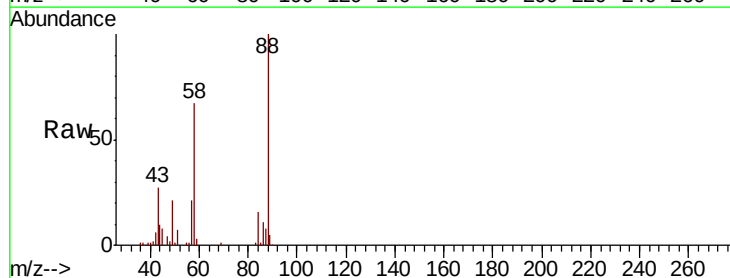
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 8.117 ng
RT: 2.37 min Scan# 48
Delta R.T. 0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.2	57.2	85.8
43	27.5	22.6	33.8

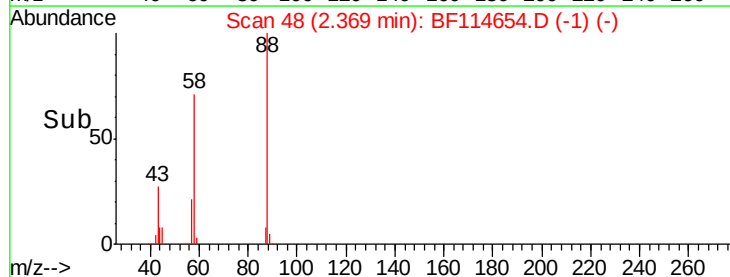
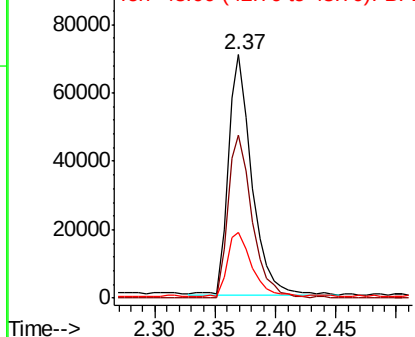


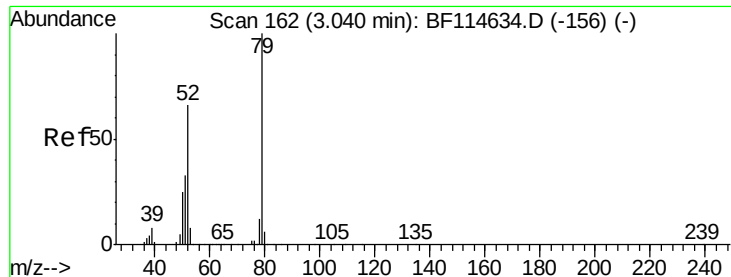
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 6.893 ng

RT: 3.09 min Scan# 171

Delta R.T. 0.05 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

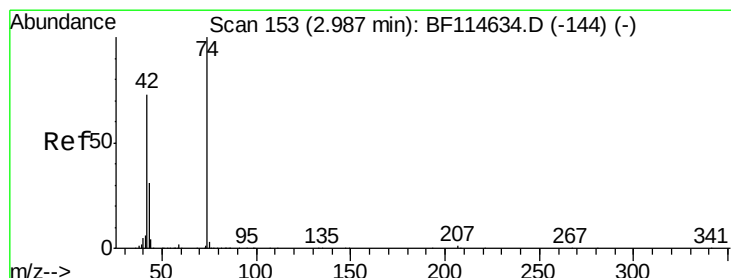
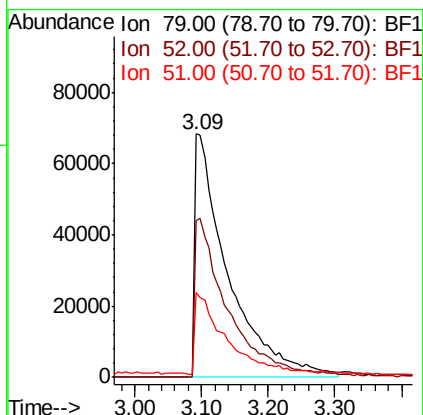
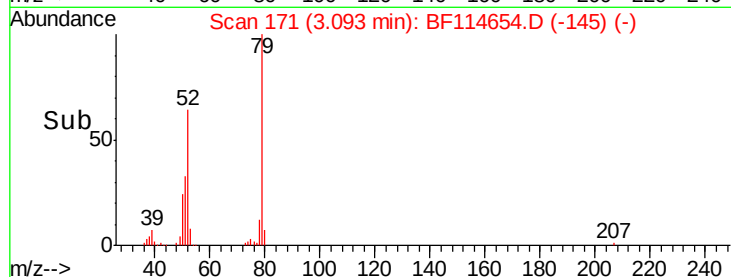
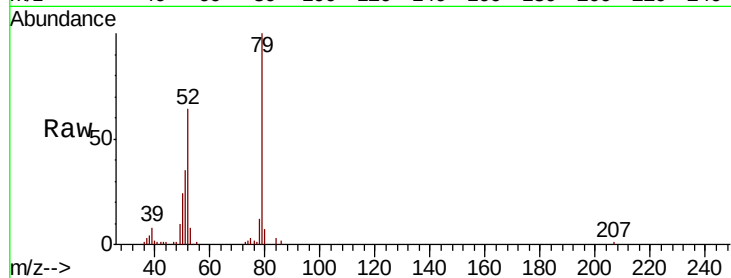
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	79	Resp:	232829
Ion Ratio	Lower	Upper	
79	100		
52	64.3	52.8	79.2
51	35.0	26.3	39.5

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#4

n-Nitrosodimethylamine

Concen: 7.224 ng

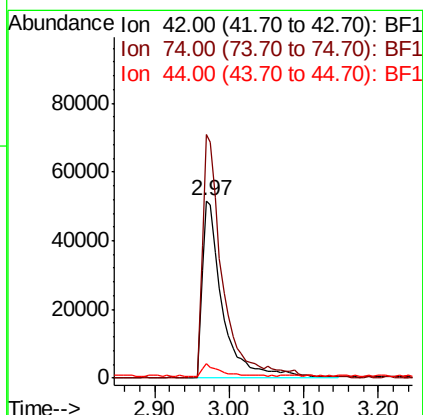
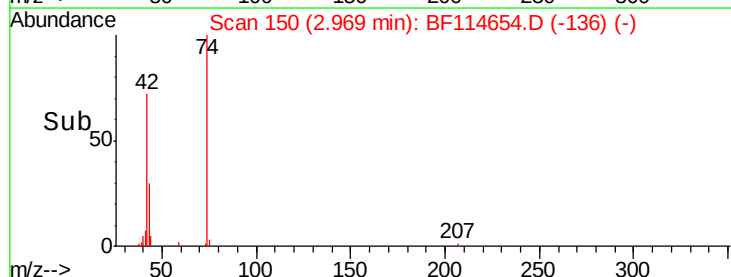
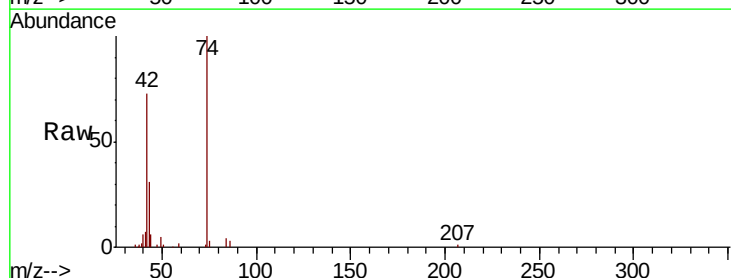
RT: 2.97 min Scan# 150

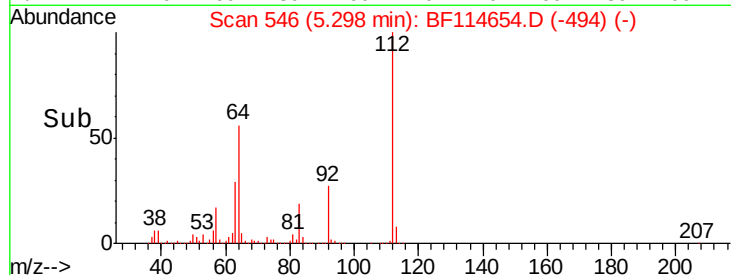
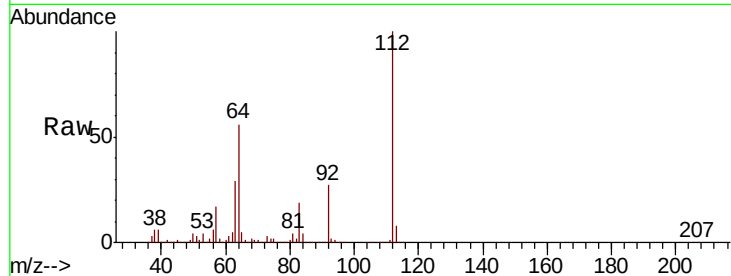
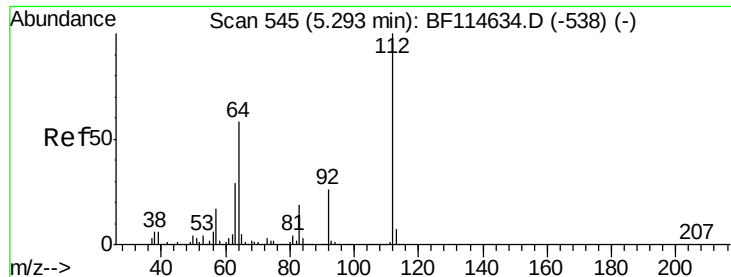
Delta R.T. -0.02 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	42	Resp:	98750
Ion Ratio	Lower	Upper	
42	100		
74	137.2	110.0	165.0
44	8.1	5.6	8.4





#5

2-Fluorophenol

Concen: 110.054 ng

RT: 5.30 min Scan# 546

Delta R.T. 0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tot Ion:	112	Resp:	2661699
Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.1	69.1
63	29.3	23.4	35.2

Instrument :

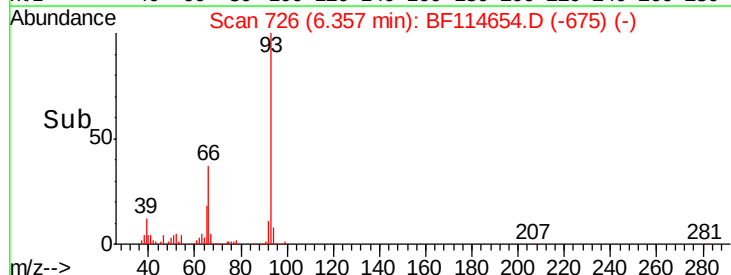
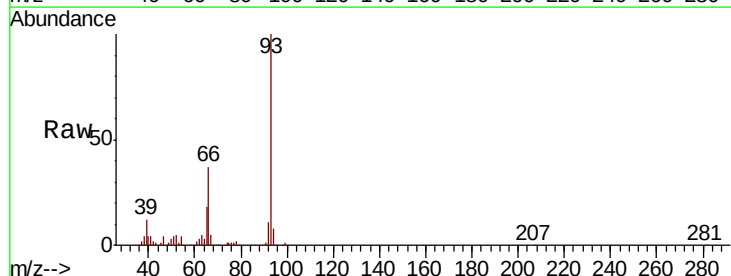
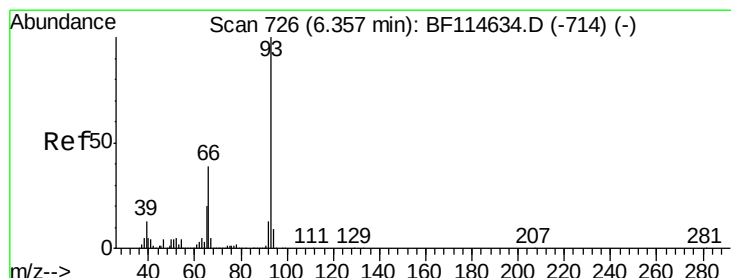
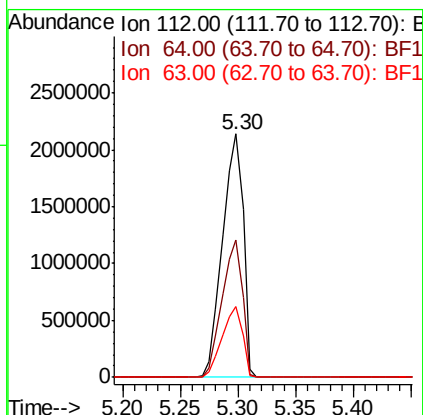
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#6

Aniline

Concen: 7.772 ng

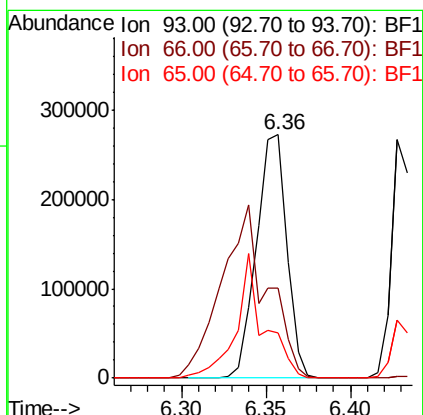
RT: 6.36 min Scan# 726

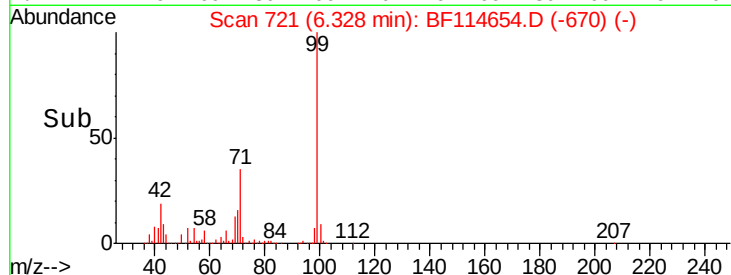
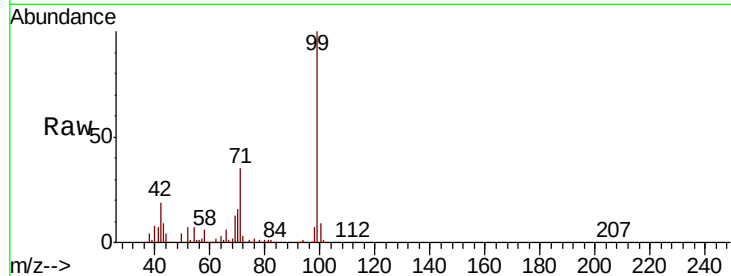
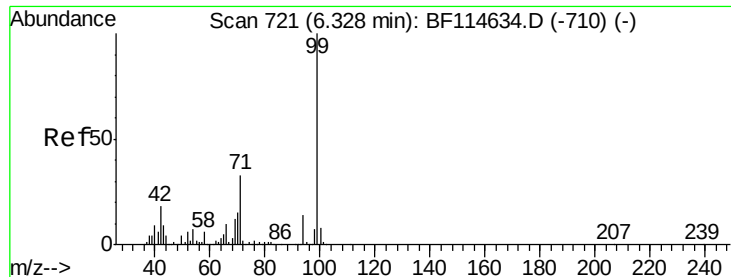
Delta R.T. 0.00 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	93	Resp:	342153
Ion	Ratio	Lower	Upper
93	100		
66	36.9	31.4	47.2
65	18.5	16.2	24.2





#7

Phenol-d6

Concen: 109.999 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tot Ion: 99 Resp: 3205835

Ion Ratio Lower Upper

99 100

42 18.8 14.7 22.1

71 35.4 26.6 40.0

Instrument :

BNA_F

ClientSampleId :

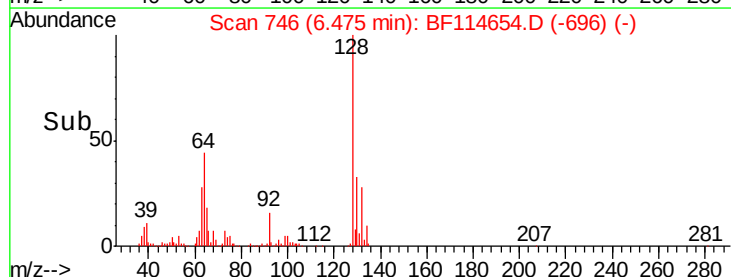
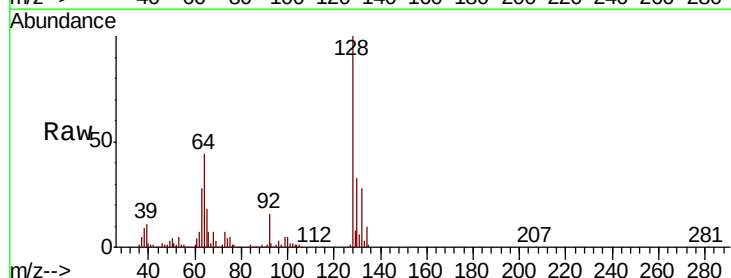
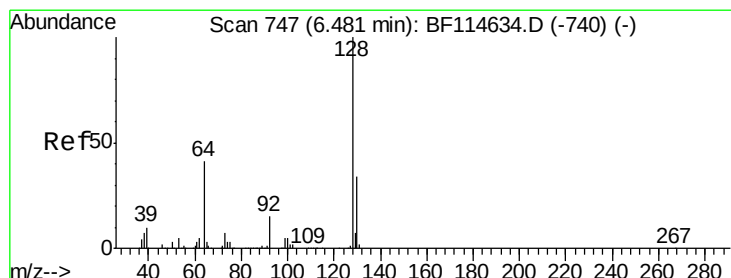
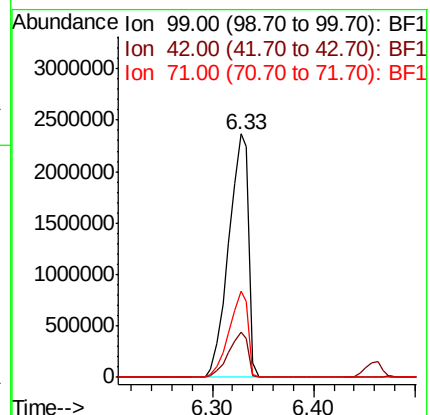
LOD-MDL-SOIL-01-QT2-2019

Manual Integrations

APPROVED

mohammad

6/3/2019 8:46:56 AM



#8

2-Chlorophenol

Concen: 8.211 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

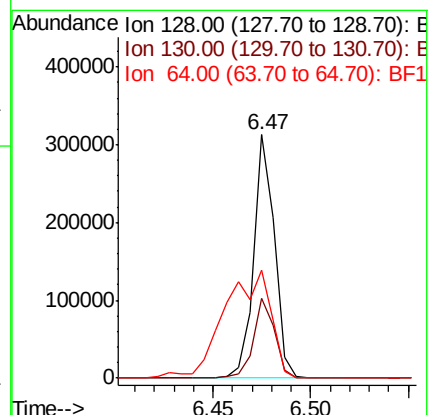
Tgt Ion: 128 Resp: 229328

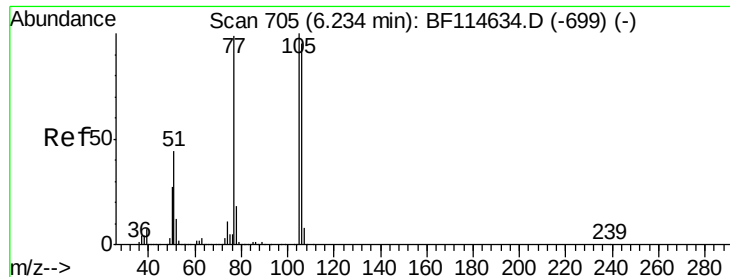
Ion Ratio Lower Upper

128 100

130 32.7 13.9 53.9

64 44.4 22.0 62.0





#9

Benzaldehyde

Concen: 11.352 ng

RT: 6.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

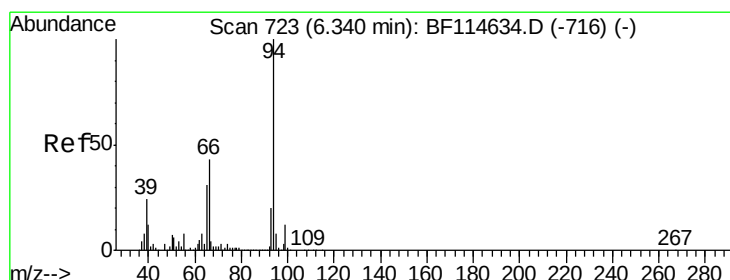
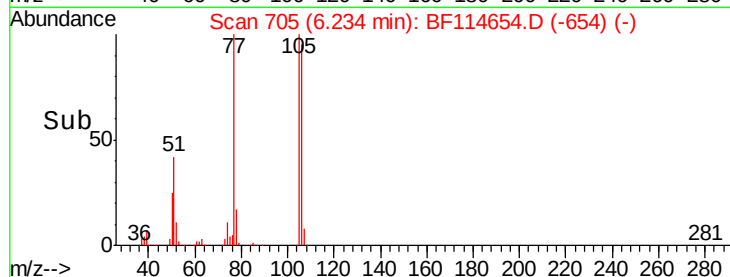
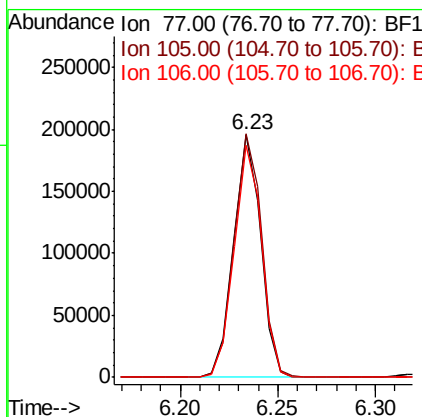
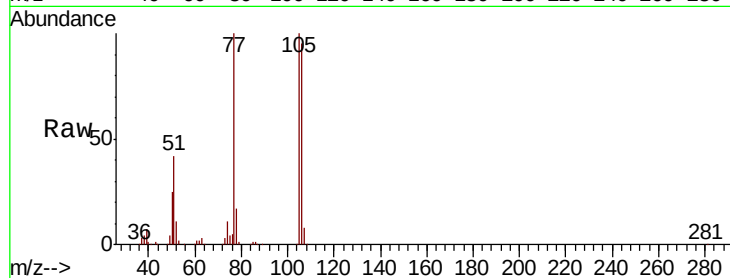
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	77	Resp:	188774
Ion Ratio	Lower	Upper	
77	100		
105	100.4	80.8	120.8
106	95.6	76.2	116.2

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#10

Phenol

Concen: 8.026 ng

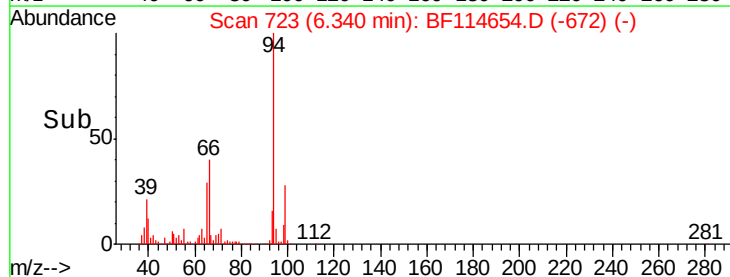
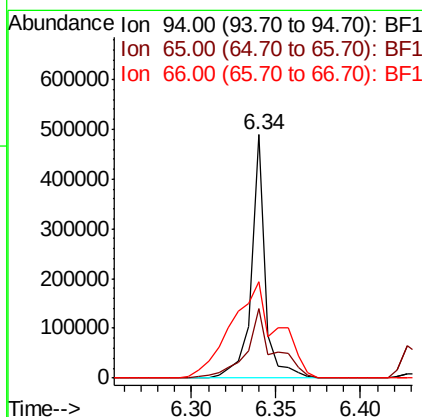
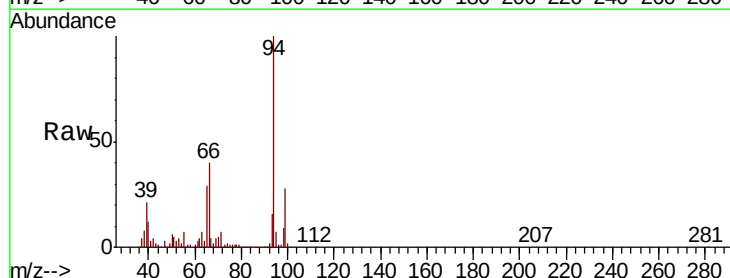
RT: 6.34 min Scan# 723

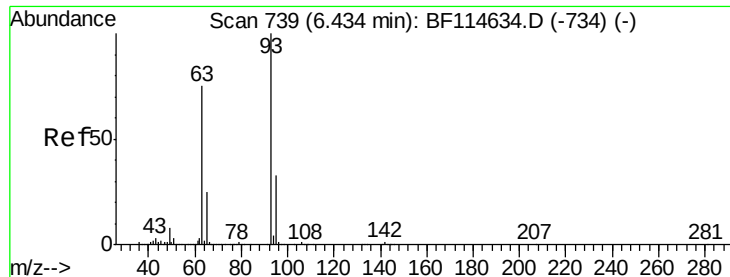
Delta R.T. 0.00 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	94	Resp:	282585
Ion Ratio	Lower	Upper	
94	100		
65	28.6	11.0	51.0
66	39.7	23.0	63.0





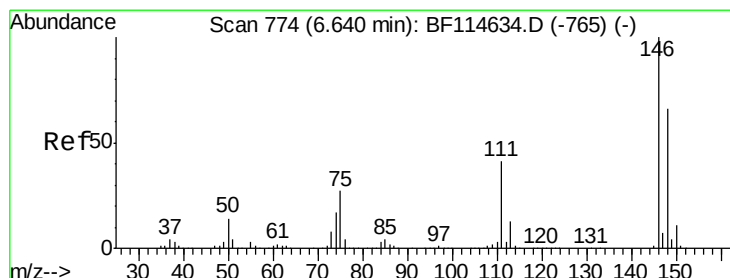
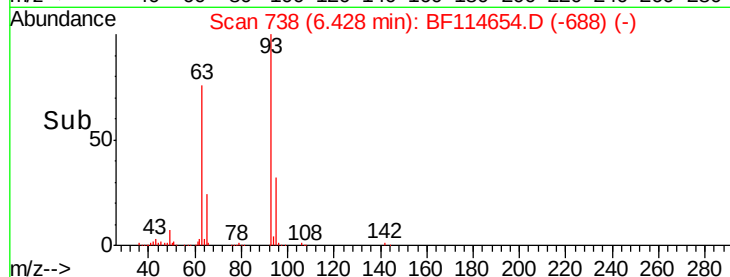
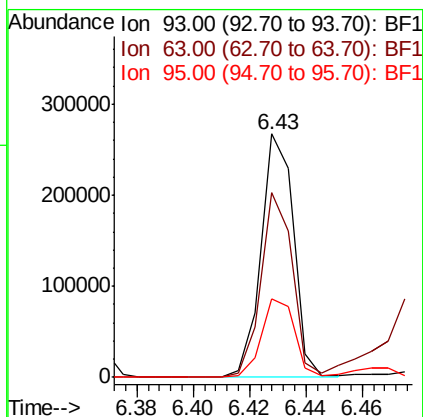
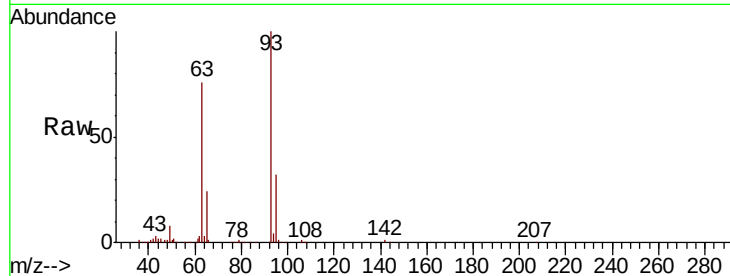
#11
bis(2-Chloroethyl)ether
Concen: 7.881 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
93	100	212238		
63	75.6	55.0	95.0	
95	32.4	13.5	53.5	

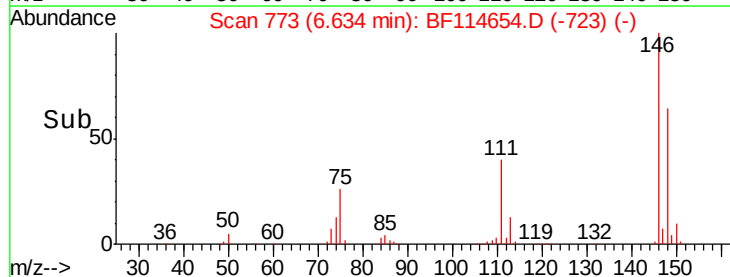
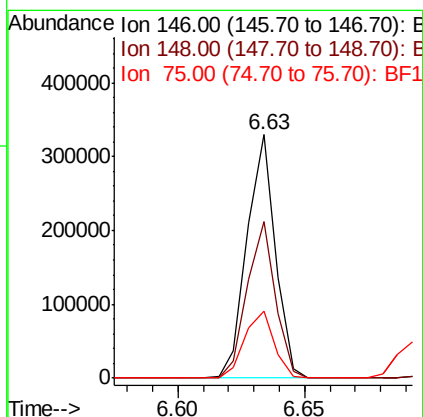
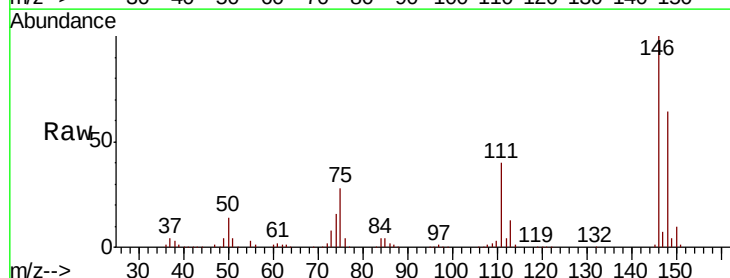
Manual Integrations
APPROVED

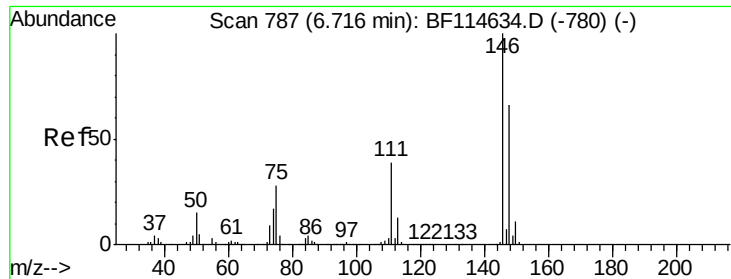
mohammad
6/3/2019 8:46:56 AM



#12
1,3-Dichlorobenzene
Concen: 8.068 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	256740		
148	64.4	52.9	79.3	
75	27.6	22.0	33.0	





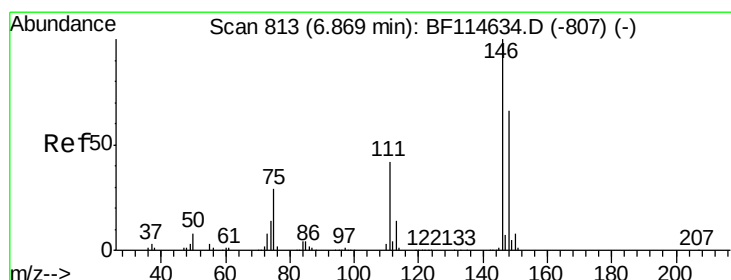
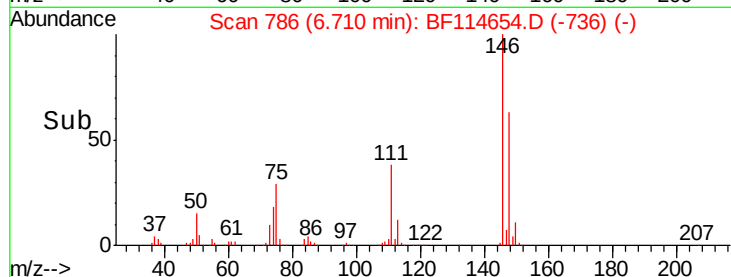
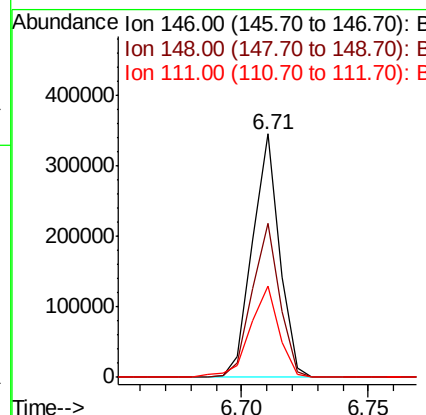
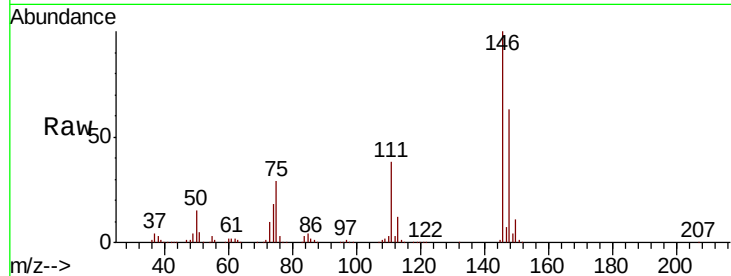
#13
 1,4-Dichlorobenzene
 Concen: 8.049 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	52.5	78.7
111	37.6	31.4	47.2

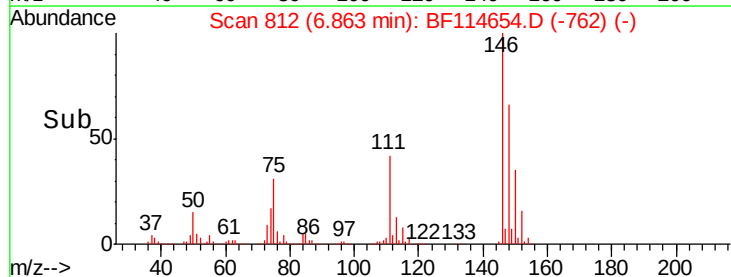
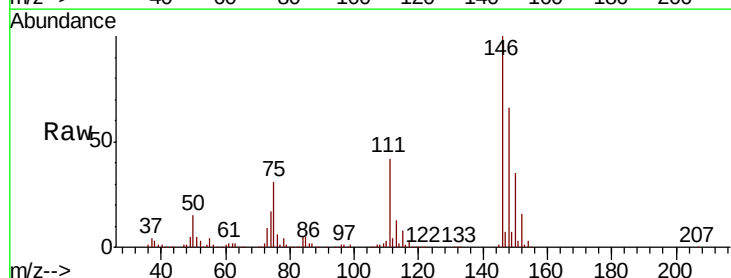
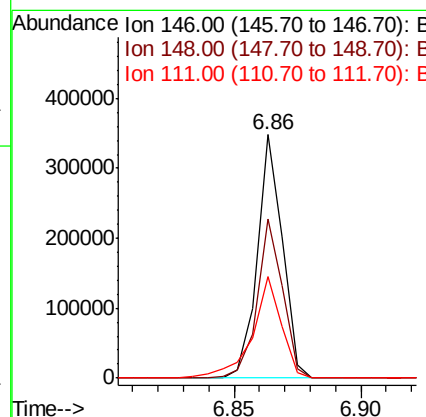
Manual Integrations
 APPROVED

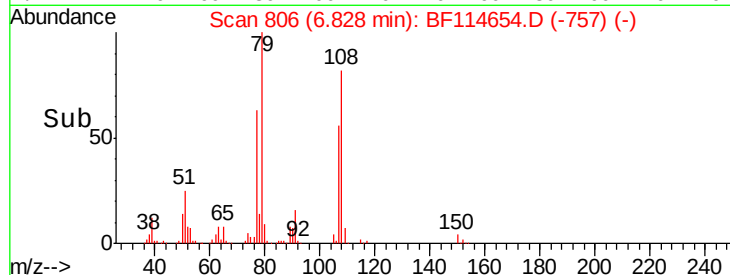
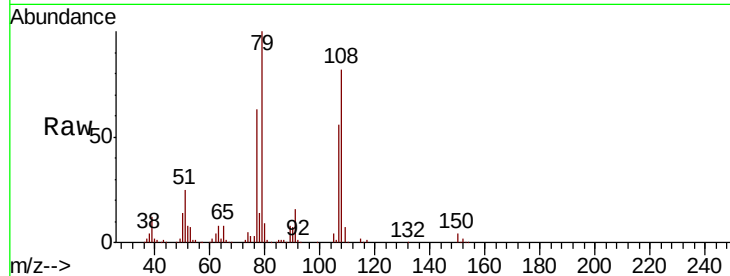
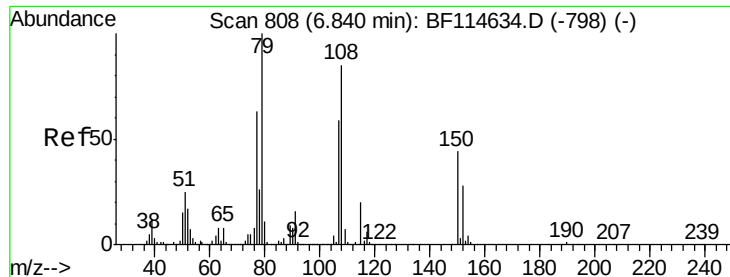
mohammad
 6/3/2019 8:46:56 AM



#14
 1,2-Dichlorobenzene
 Concen: 8.301 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.6	79.0
111	41.5	34.1	51.1





#15

Benzyl Alcohol

Concen: 8.310 ng/mL

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tot Ion:	79	Resp:	190517
Ion Ratio	Lower	Upper	
79	100		
108	82.0	67.8	101.8
77	63.5	50.7	76.1

Instrument :

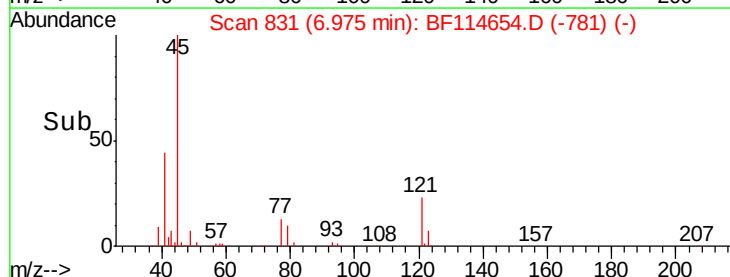
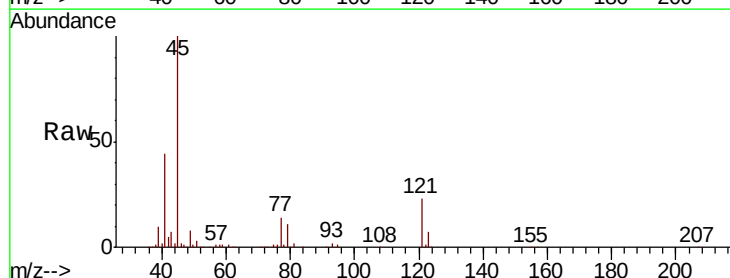
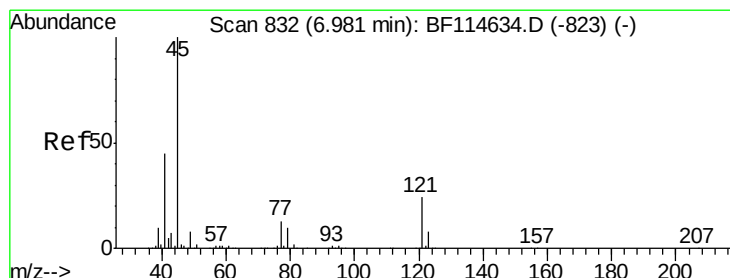
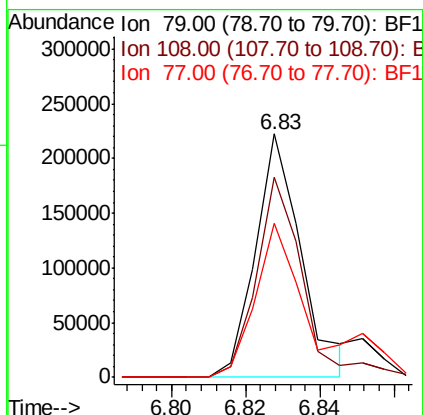
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.344 ng/mL

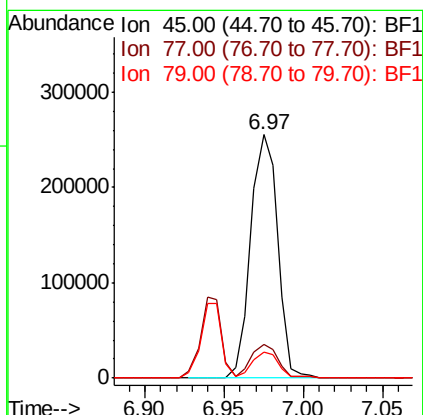
RT: 6.97 min Scan# 831

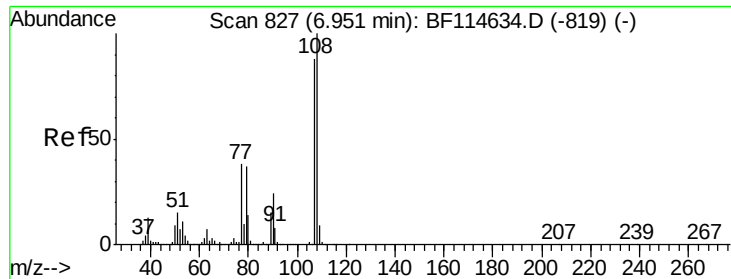
Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	45	Resp:	303343
Ion Ratio	Lower	Upper	
45	100		
77	14.0	0.0	34.7
79	10.8	0.0	31.3





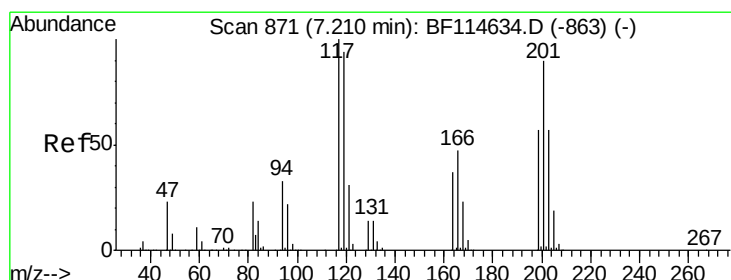
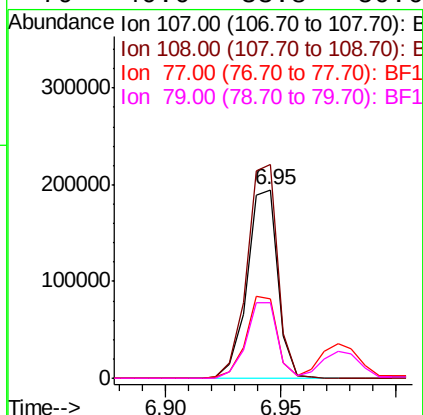
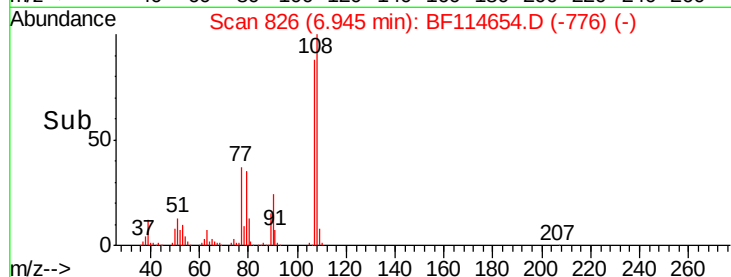
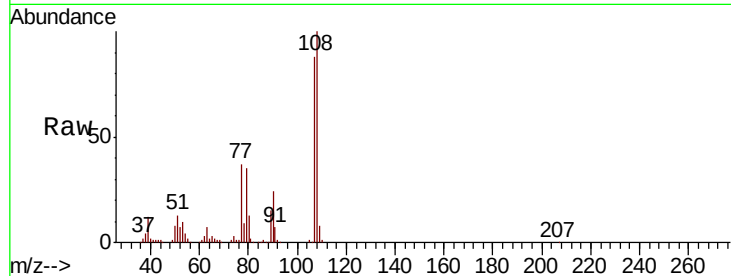
#17
2-Methylphenol
Concen: 7.670 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.4	91.1	136.7	
77	42.0	34.9	52.3	
79	40.0	33.8	50.6	

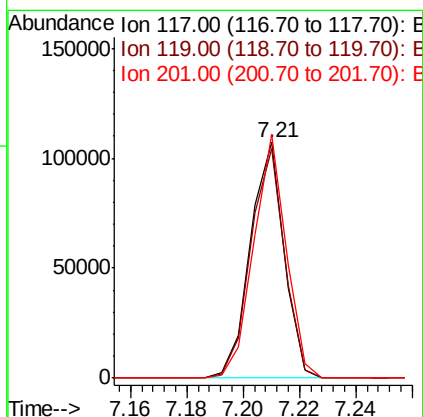
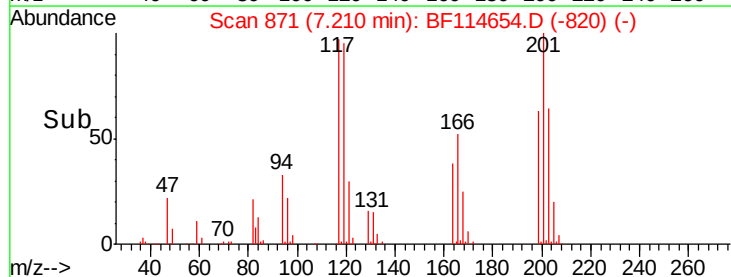
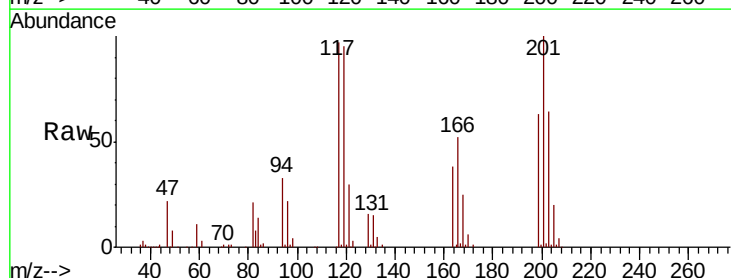
Manual Integrations
APPROVED

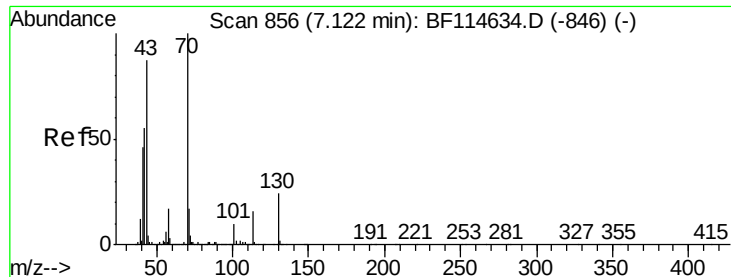
mohammad
6/3/2019 8:46:56 AM



#18
Hexachloroethane
Concen: 7.370 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.8	75.6	113.4	
201	103.5	71.7	107.5	





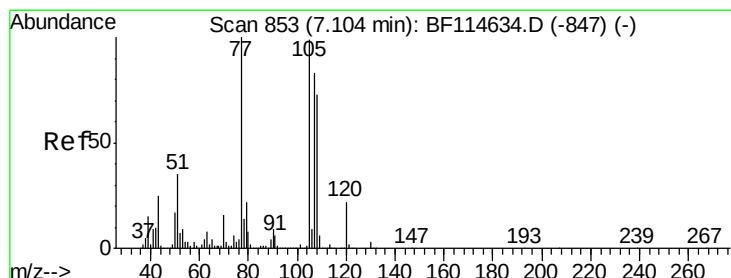
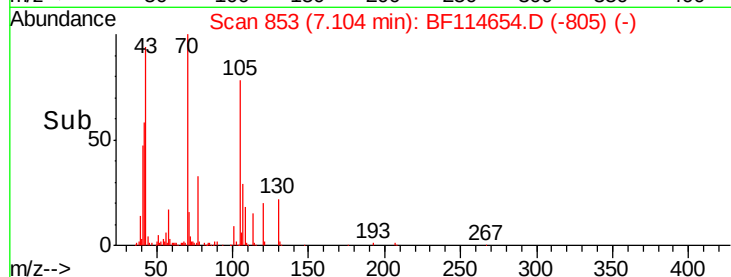
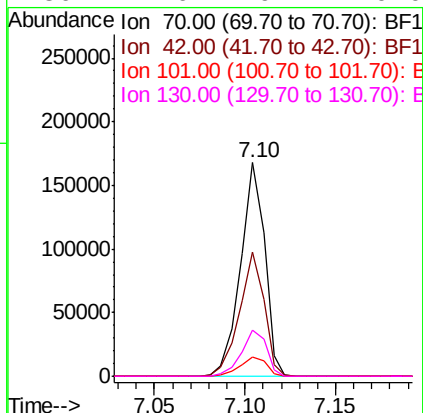
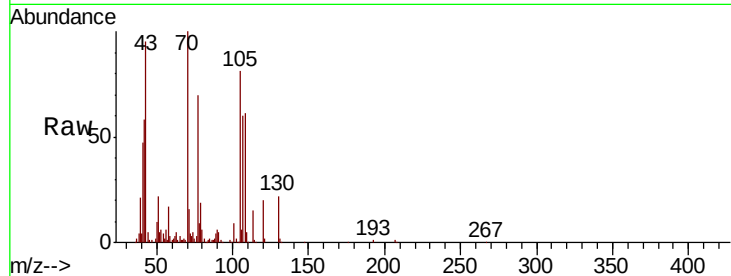
#19
n-Nitroso-di-n-propylamine
Concen: 7.739 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	57.9	44.4	66.6		
101	9.2	8.2	12.4		
130	21.6	19.4	29.0		

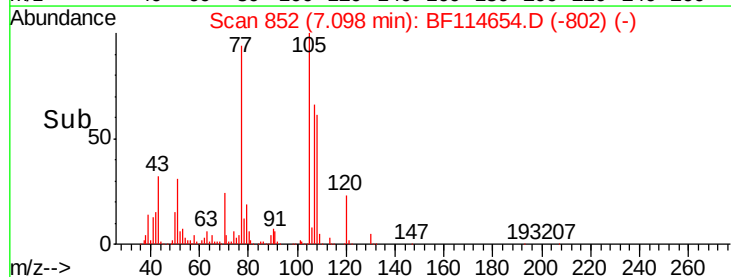
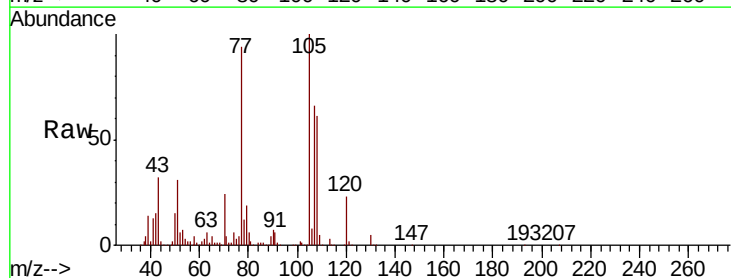
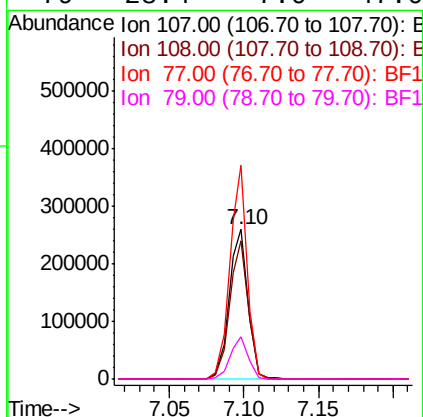
Manual Integrations
APPROVED

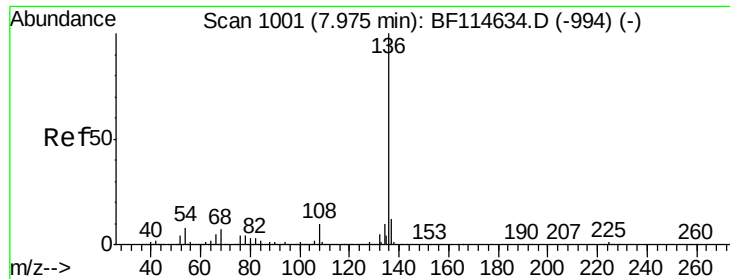
mohammad
6/3/2019 8:46:56 AM



#20
3+4-Methylphenols
Concen: 8.360 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.7	68.6	108.6		
77	143.0	100.5	140.5		
79	28.4	7.0	47.0		





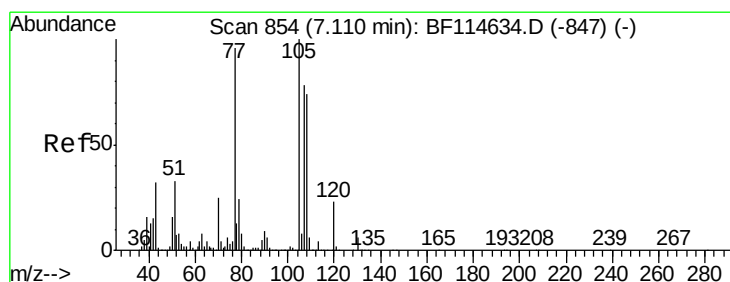
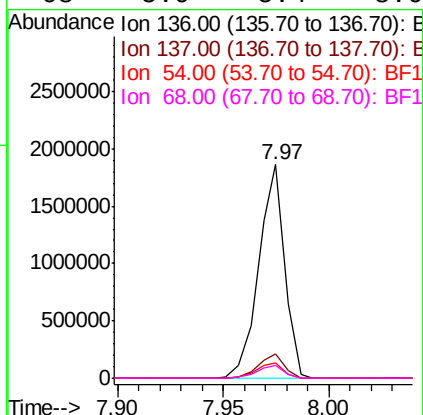
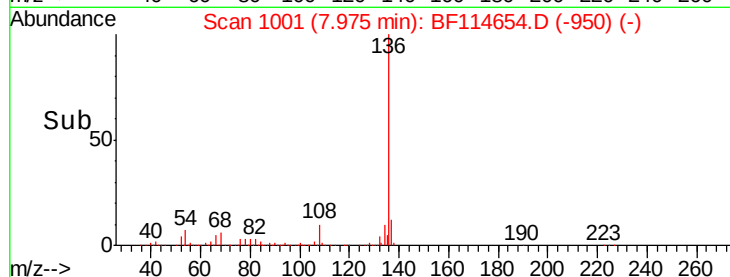
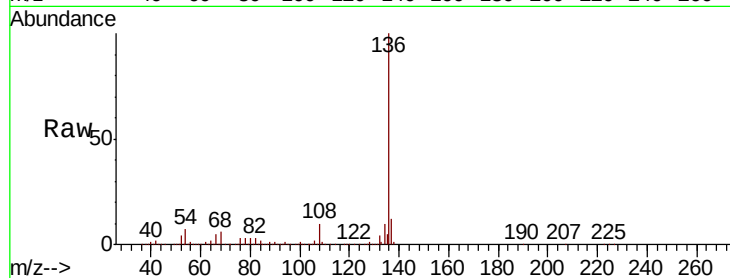
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	136	Resp	1588667
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	6.9	6.3	9.5
68	5.9	5.4	8.0

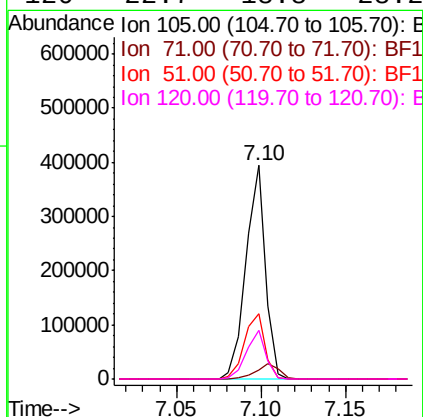
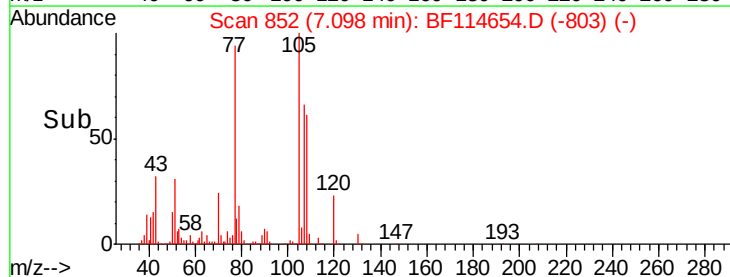
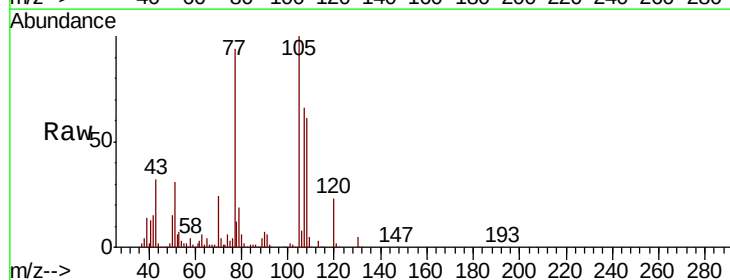
Manual Integrations
APPROVED

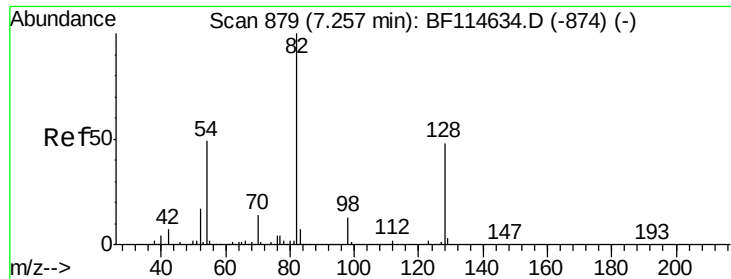
mohammad
6/3/2019 8:46:56 AM



#22
Acetophenone
Concen: 9.384 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	105	Resp	317648
Ion	Ratio	Lower	Upper
105	100		
71	4.0	3.6	5.4
51	30.7	26.0	39.0
120	22.7	18.8	28.2





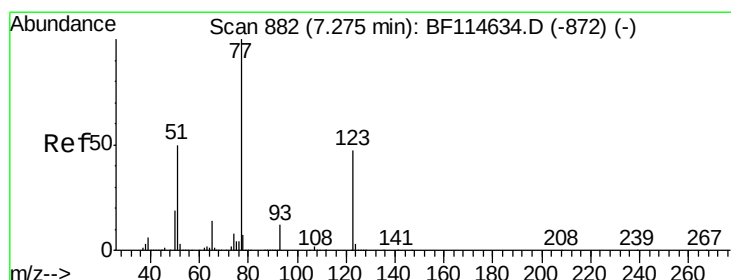
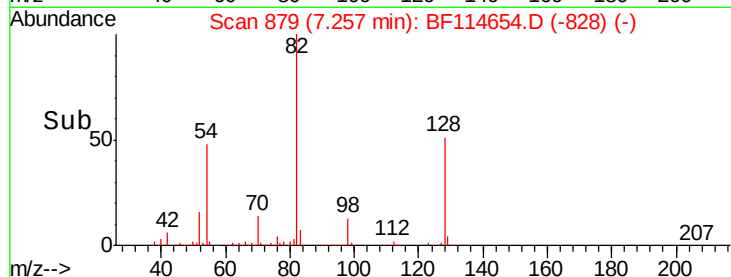
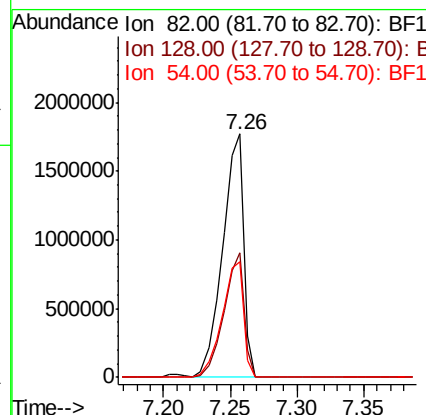
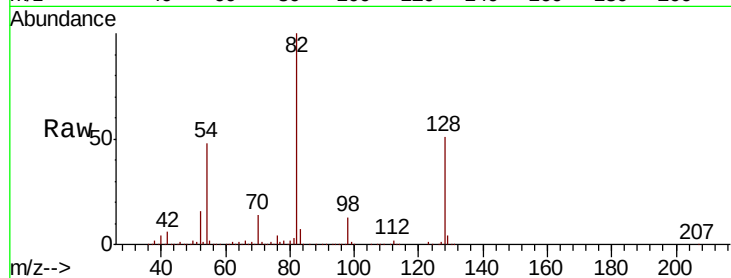
#23
Nitrobenzene-d5
Concen: 76.981 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.4	38.5	57.7
54	47.5	39.1	58.7

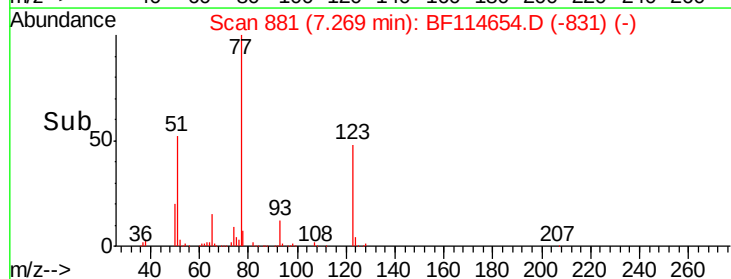
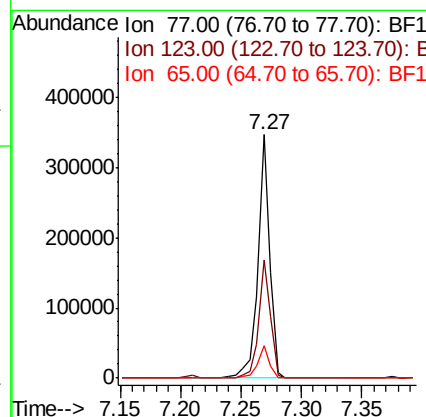
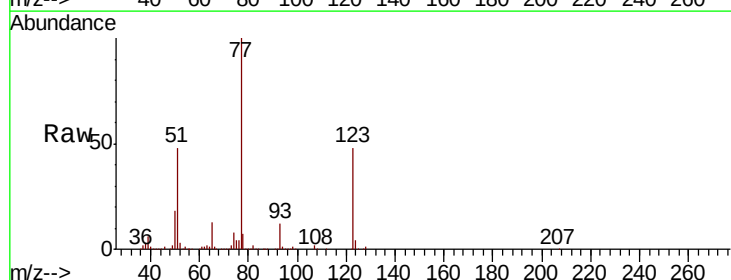
Manual Integrations
APPROVED

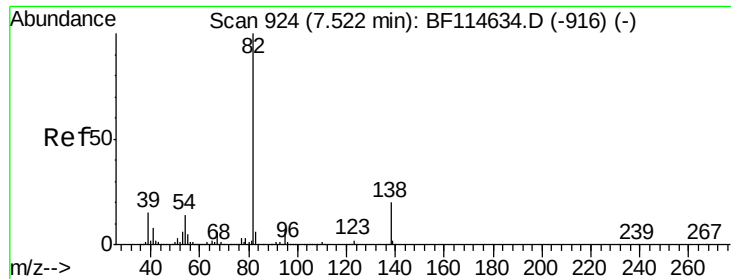
mohammad
6/3/2019 8:46:56 AM



#24
Nitrobenzene
Concen: 8.728 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.5	38.5	57.7
65	13.2	11.2	16.8





#25

Isophorone

Concen: 8.181 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

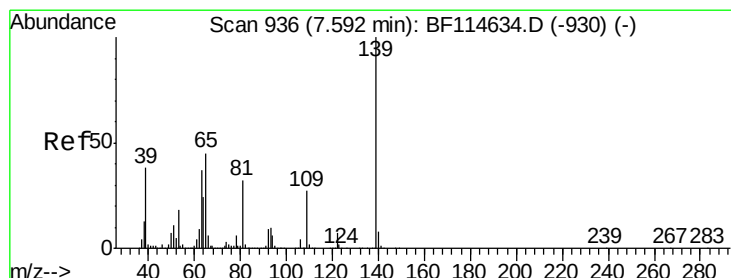
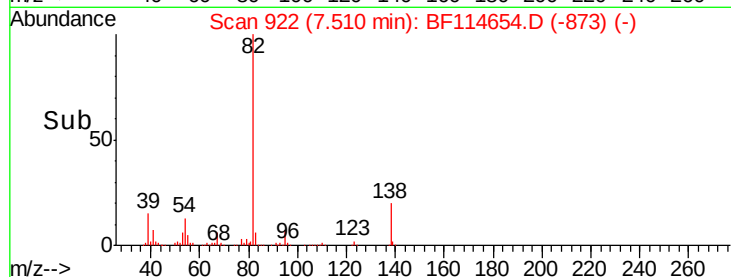
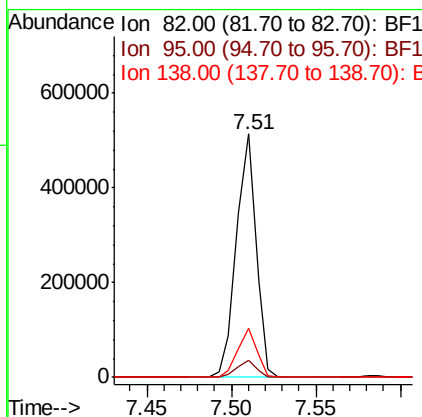
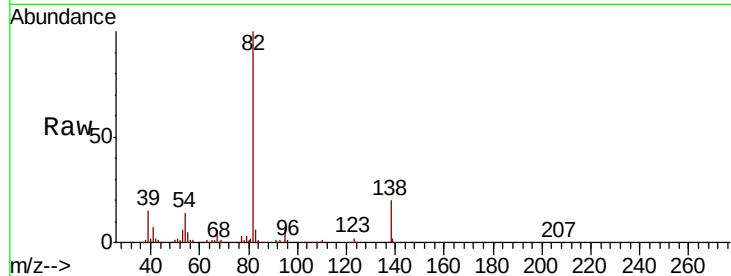
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	82	Resp:	418091
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.6	8.4
138	20.0	15.9	23.9

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#26

2-Nitrophenol

Concen: 7.658 ng

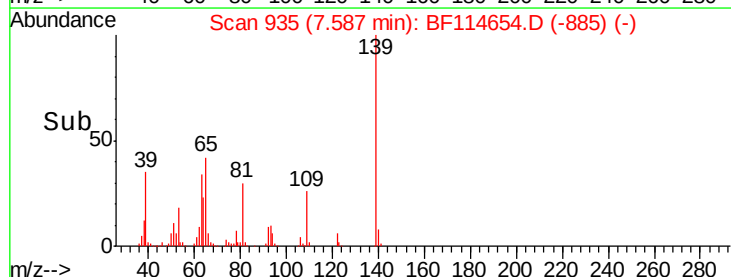
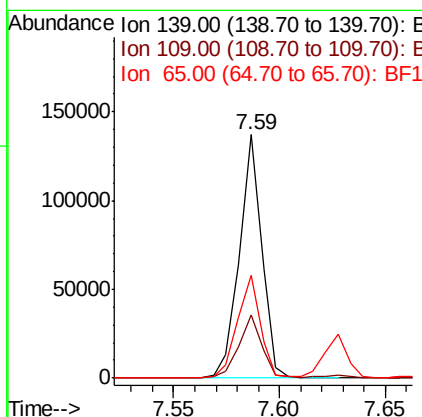
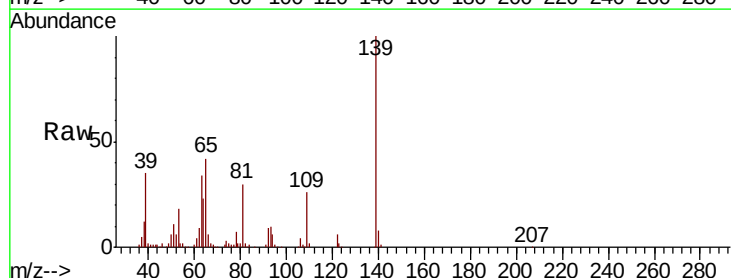
RT: 7.59 min Scan# 935

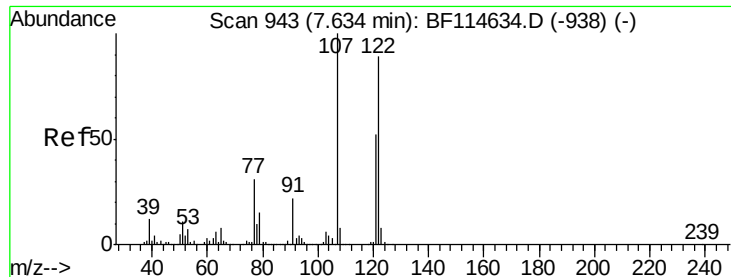
Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	139	Resp:	100827
Ion Ratio	Lower	Upper	
139	100		
109	25.8	21.7	32.5
65	42.2	36.3	54.5





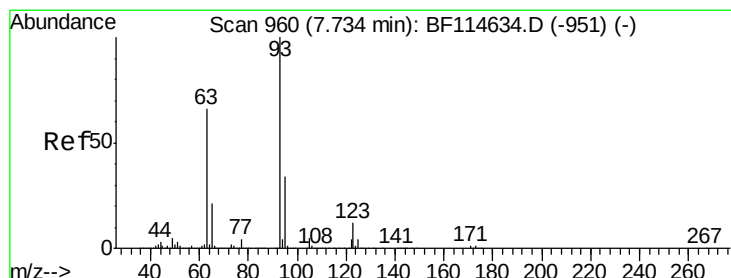
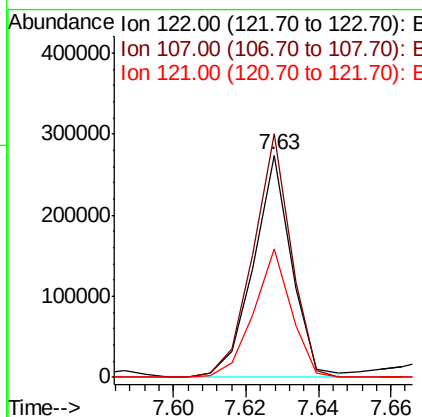
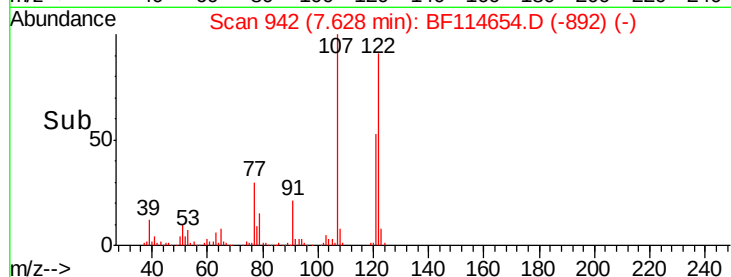
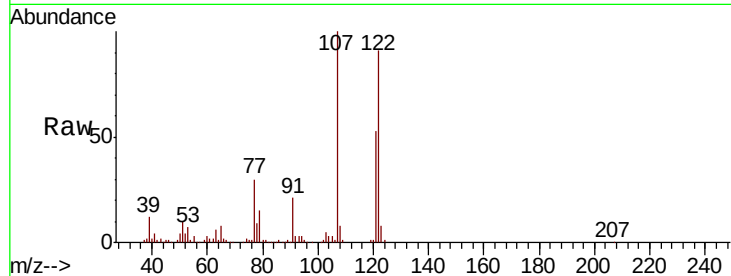
#27
 2,4-Dimethylphenol
 Concen: 9.135 ng
 RT: 7.63 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.6	89.3	133.9
121	57.7	46.8	70.2

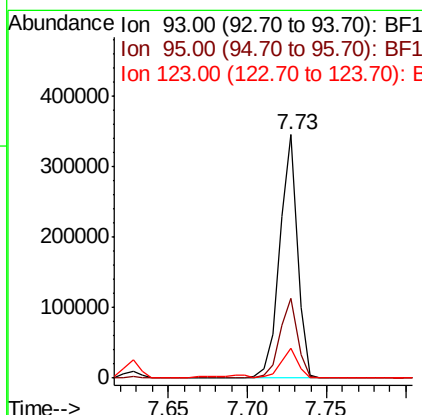
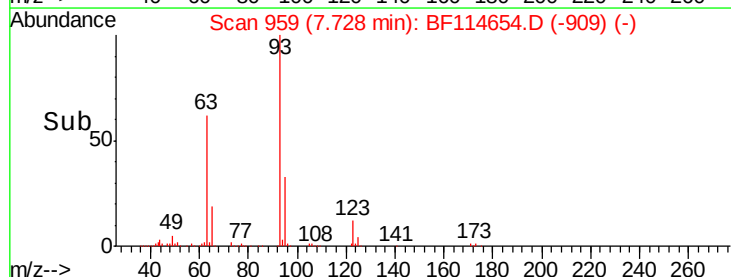
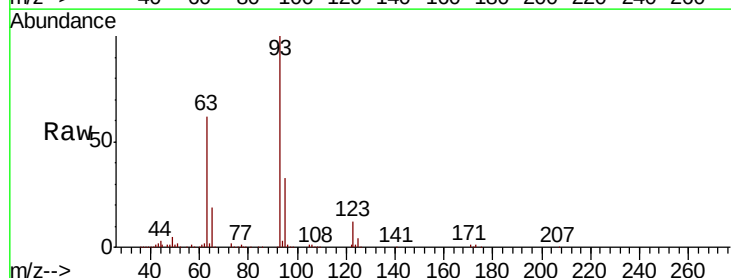
Manual Integrations
 APPROVED

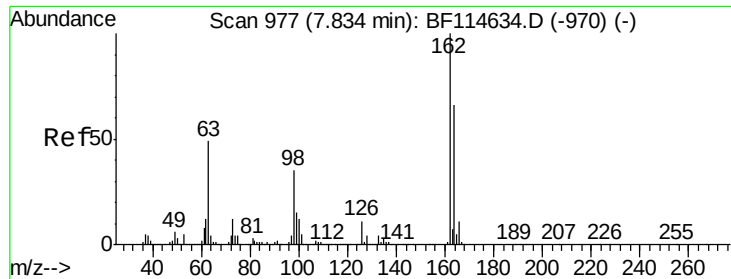
mohammad
 6/3/2019 8:46:56 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 8.255 ng
 RT: 7.73 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	27.0	40.4
123	12.2	10.2	15.2





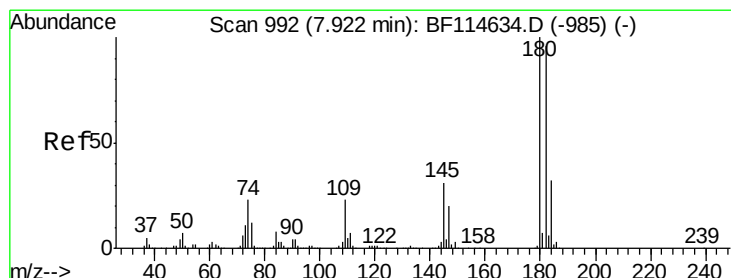
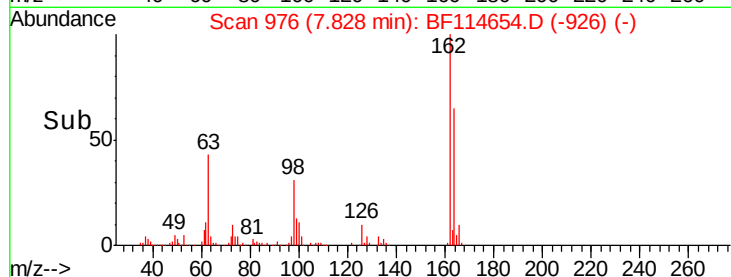
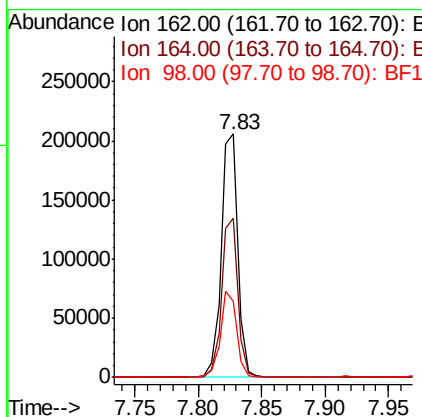
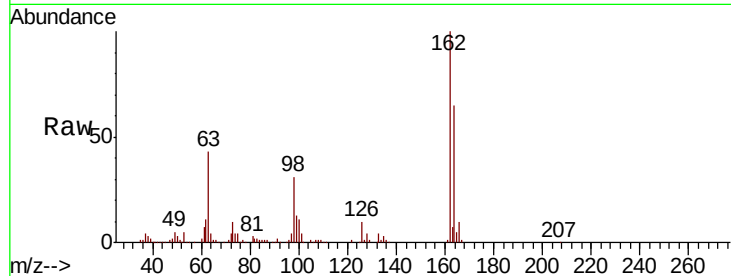
#29
2,4-Dichlorophenol
Concen: 8.511 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
162	100	189694		
164	65.1	45.8	85.8	
98	31.3	14.9	54.9	

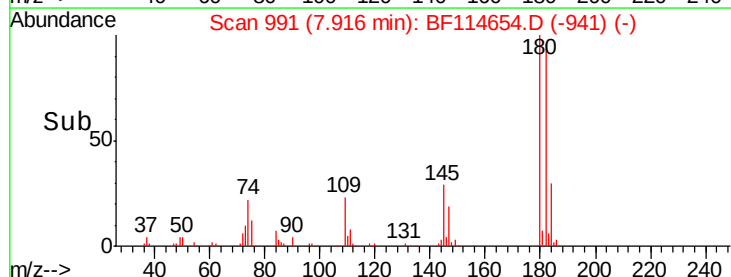
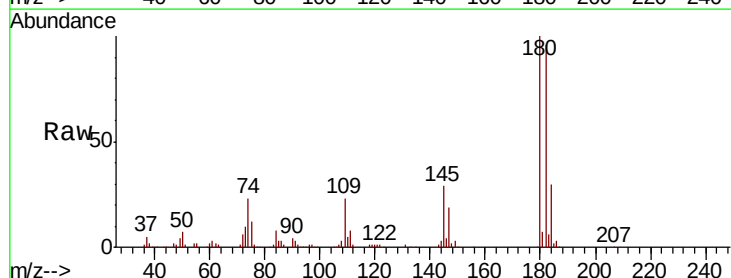
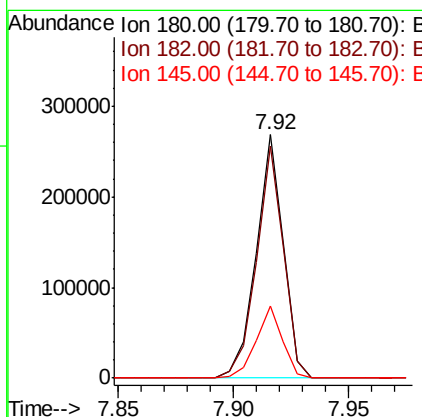
Manual Integrations
APPROVED

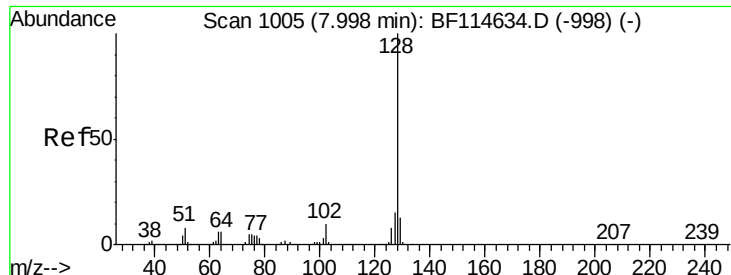
mohammad
6/3/2019 8:46:56 AM



#30
1,2,4-Trichlorobenzene
Concen: 8.661 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	219940		
182	95.5	76.9	115.3	
145	29.4	24.5	36.7	





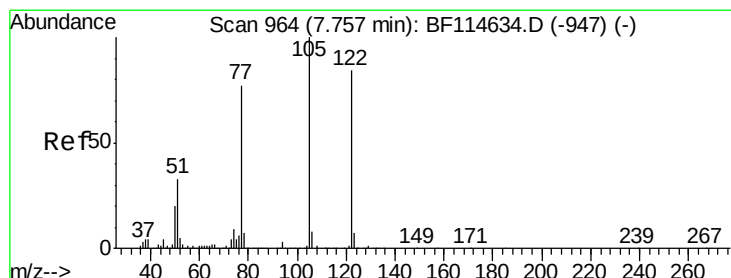
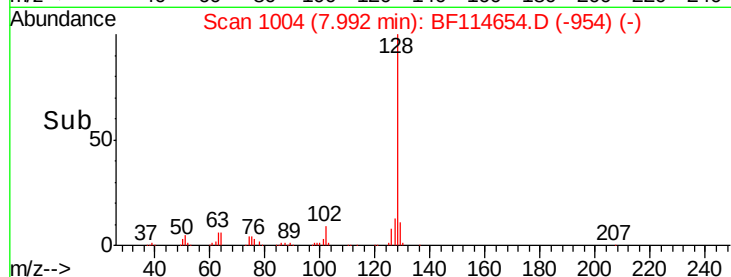
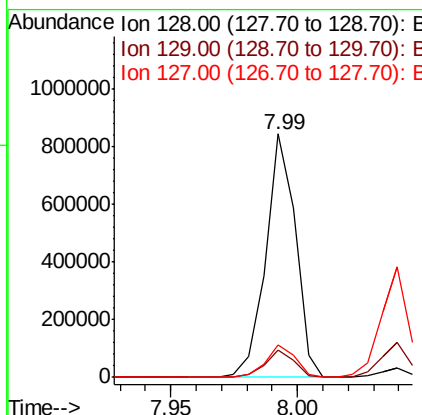
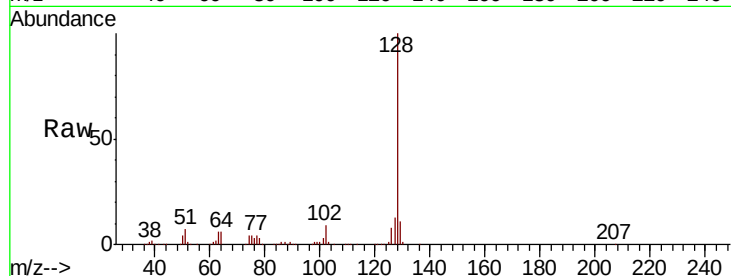
#31
Naphthalene
Concen: 9.411 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	10.2	15.2
127	13.4	11.9	17.9

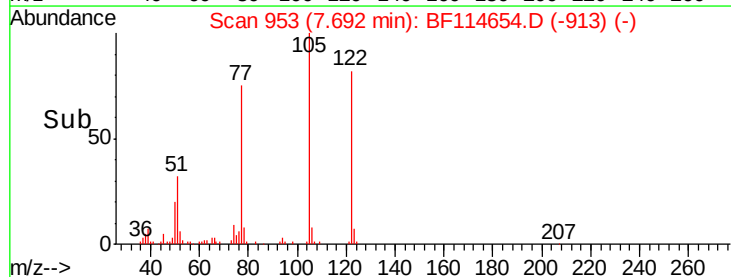
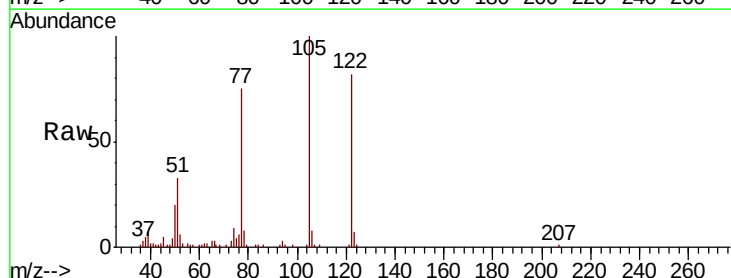
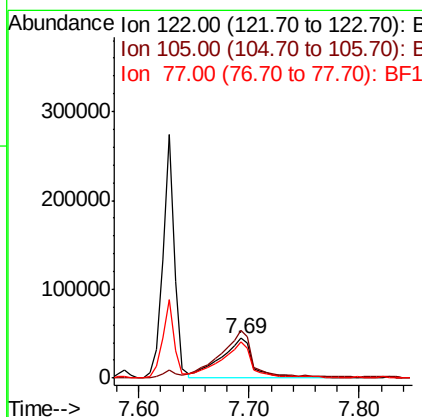
Manual Integrations
APPROVED

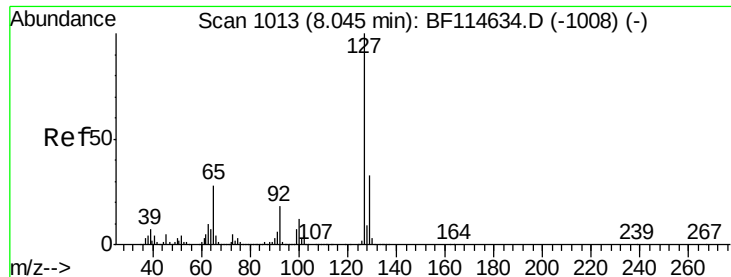
mohammad
6/3/2019 8:46:56 AM



#32
Benzoic acid
Concen: 6.217 ng
RT: 7.69 min Scan# 953
Delta R.T. -0.06 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.4	98.3	138.3
77	91.6	70.7	110.7





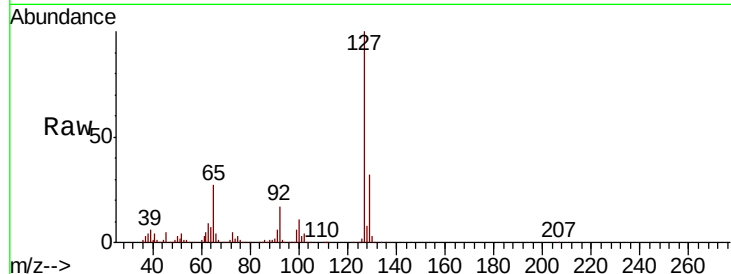
#33
4-Chloroaniline
Concen: 8.262 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

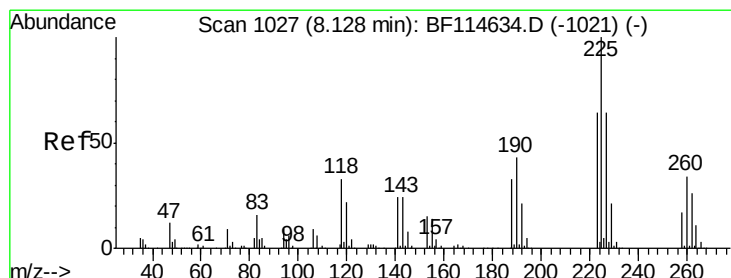
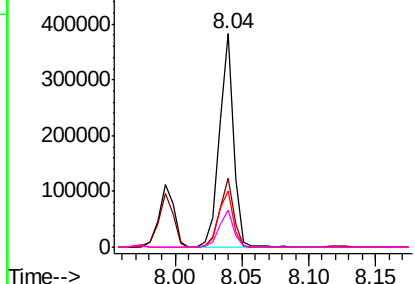
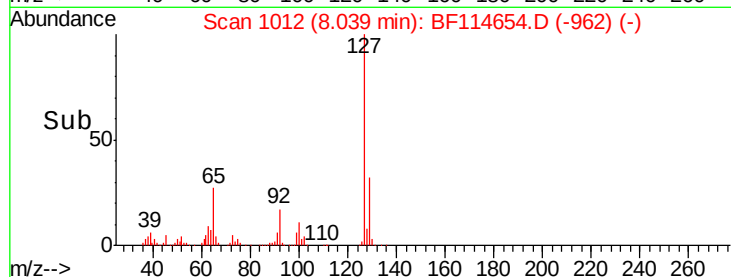
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		288054		
129	32.2	26.7	40.1		
65	26.6	22.5	33.7		
92	17.2	14.6	22.0		

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM

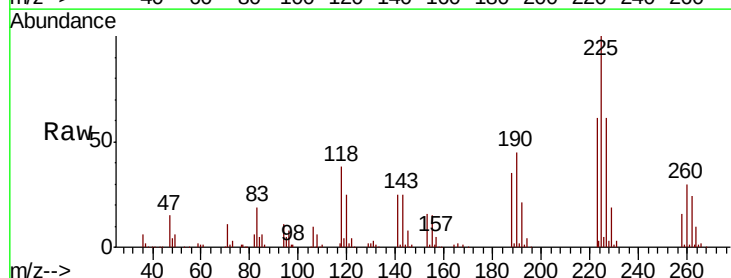


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

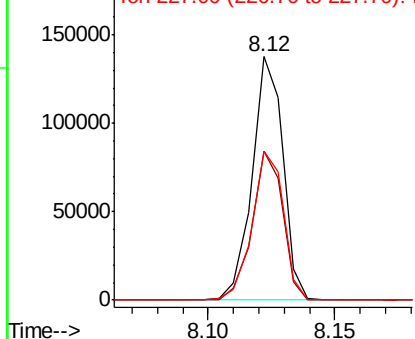
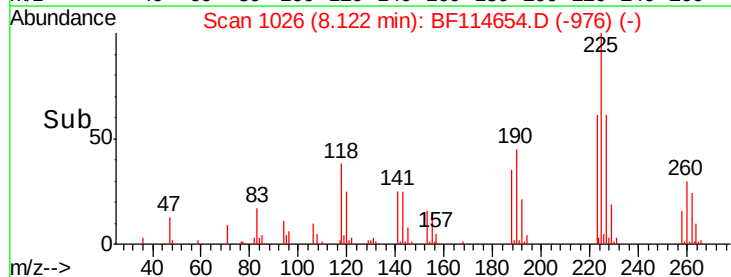


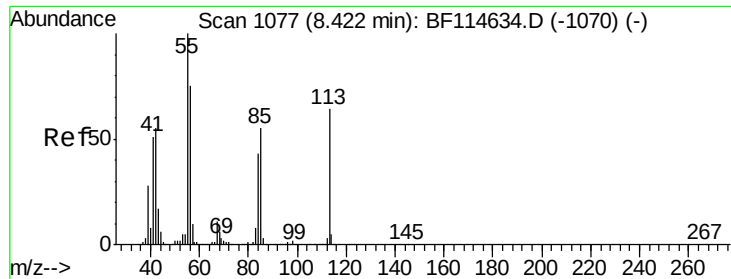
#34
Hexachlorobutadiene
Concen: 8.288 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		116920		
223	60.9	50.9	76.3		
227	61.0	51.3	76.9		



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: 7.669 ng

RT: 8.37 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

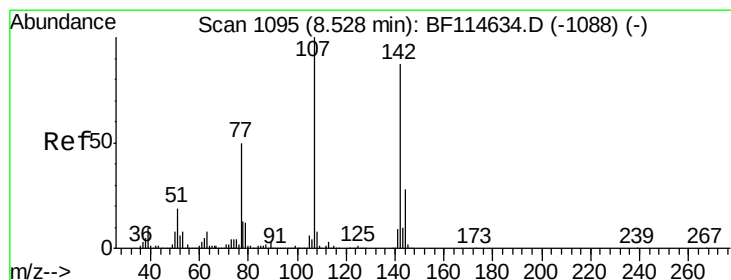
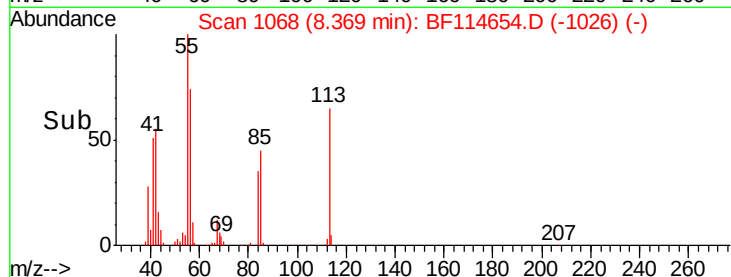
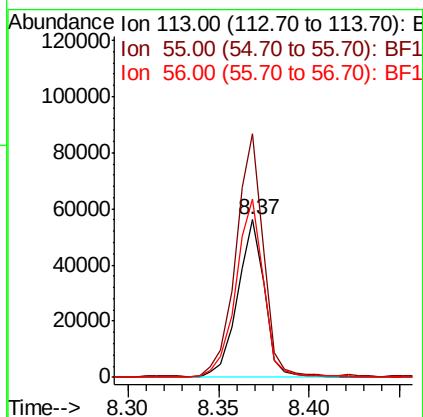
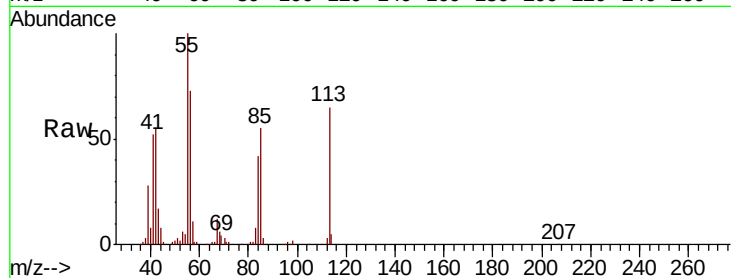
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:113	Resp:	57688
Ion Ratio	Lower	Upper
113 100		
55 154.8	136.4	176.4
56 113.5	97.0	137.0

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#36

4-Chloro-3-methylphenol

Concen: 8.423 ng

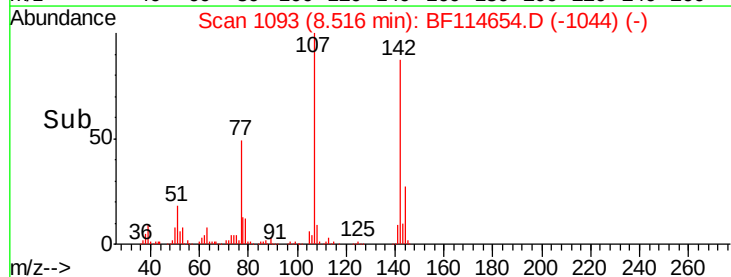
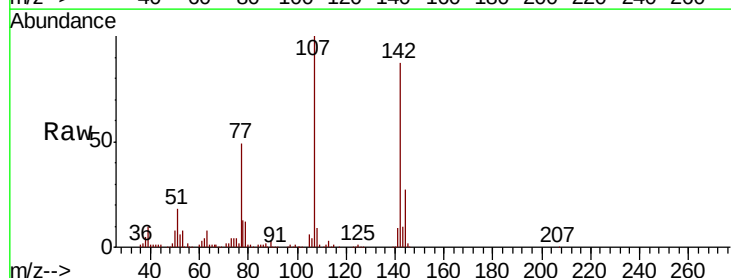
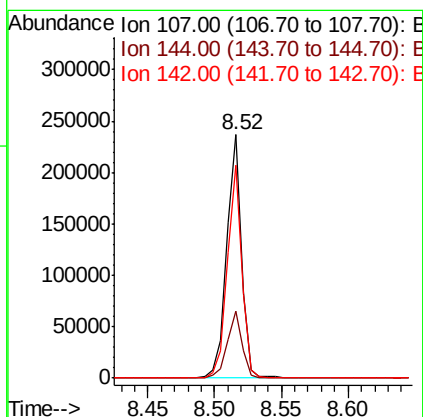
RT: 8.52 min Scan# 1093

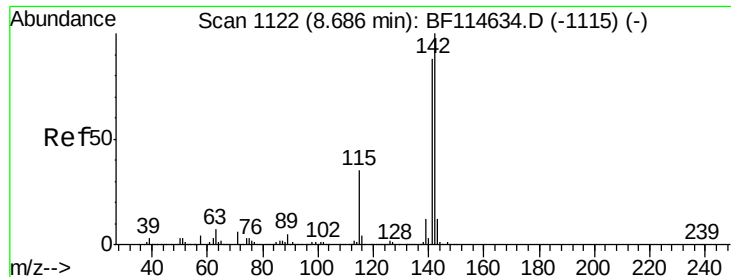
Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:107	Resp:	188271
Ion Ratio	Lower	Upper
107 100		
144 27.3	22.5	33.7
142 87.2	69.8	104.6





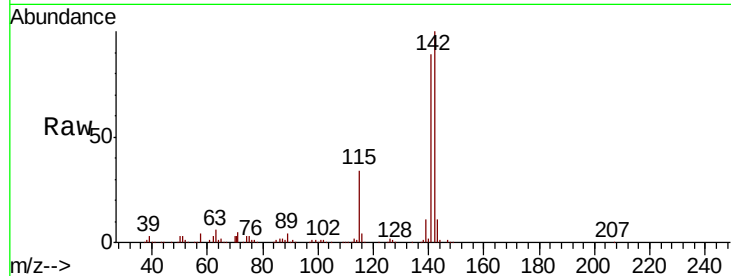
#37
2-Methylnaphthalene
Concen: 9.700 ng
RT: 8.68 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	33.7	28.0	42.0

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM

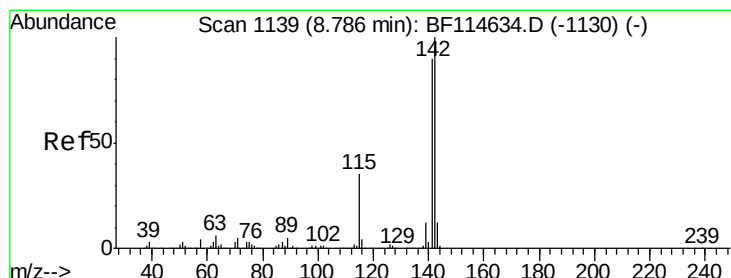
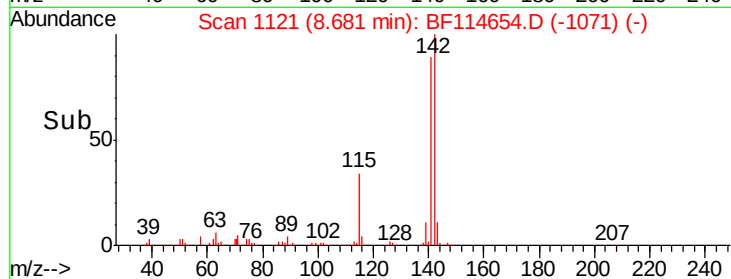
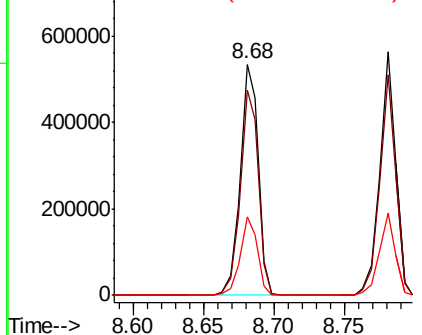


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 9.603 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

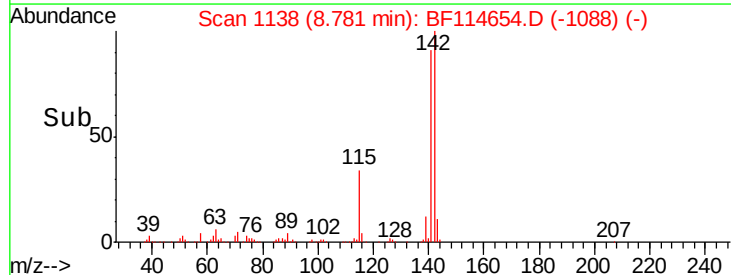
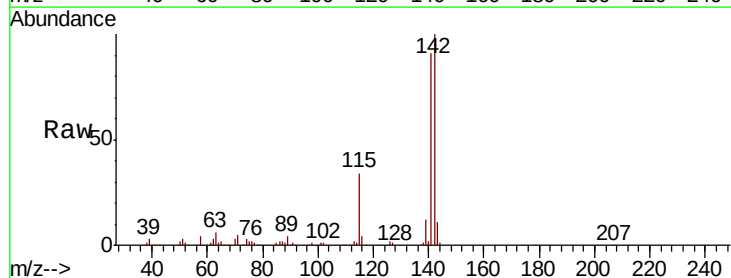
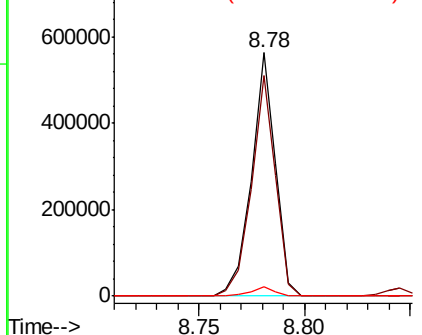
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.3	108.5
116	3.7	3.0	4.4

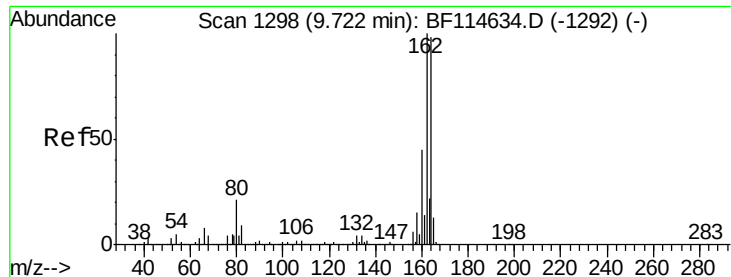
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

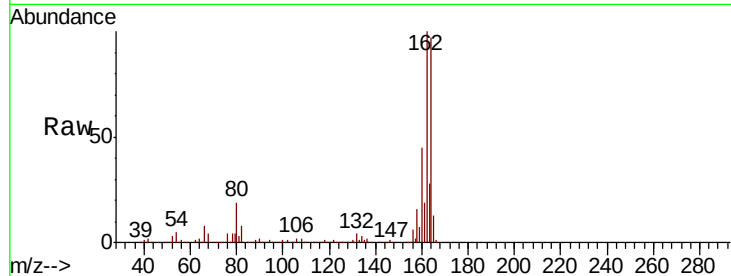
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	164	Resp:	798254
Ion Ratio	Lower	Upper	
164	100		
162	103.1	81.4	122.2
160	46.7	36.6	54.8

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM

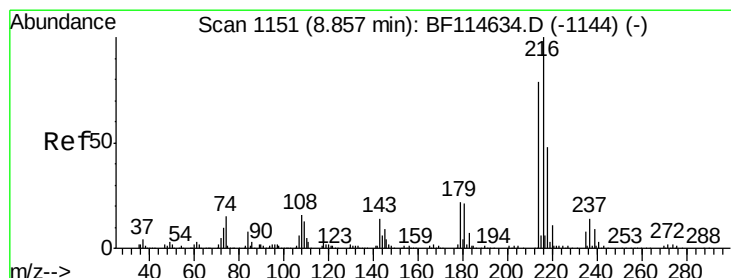
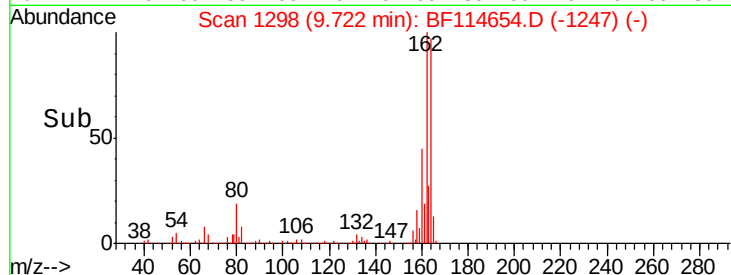
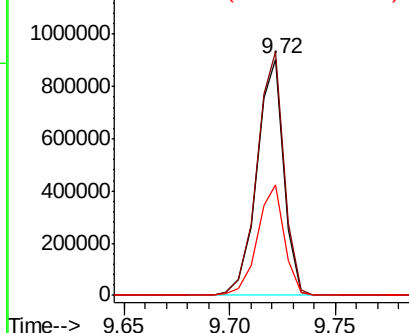


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.457 ng

RT: 8.85 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	216	Resp:	201038
Ion Ratio	Lower	Upper	
216	100		
214	78.4	63.2	94.8
179	22.0	17.9	26.9
108	19.6	15.8	23.8

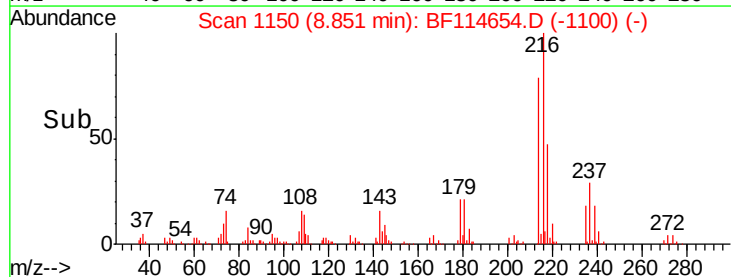
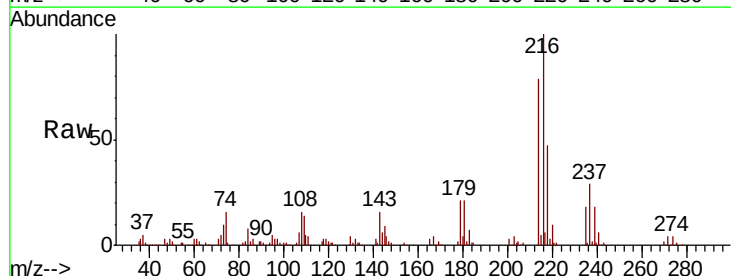
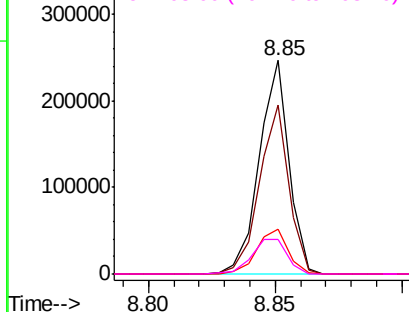
Abundance

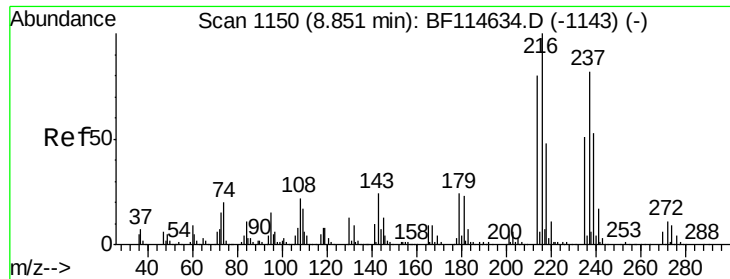
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





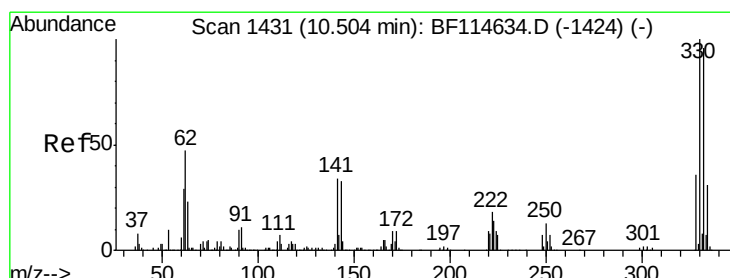
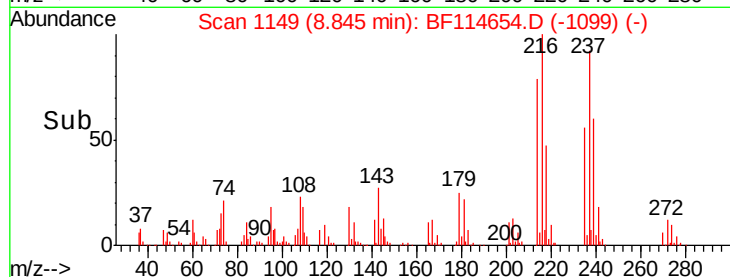
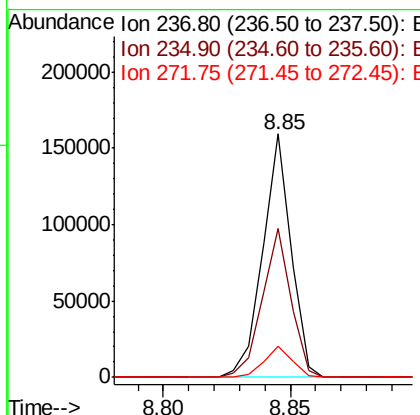
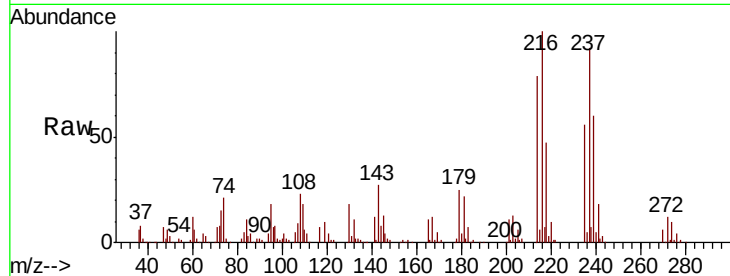
#41
Hexachlorocyclopentadiene
Concen: 8.829 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
237	100	124029		
235	61.3	42.8	82.8	
272	12.8	0.0	33.7	

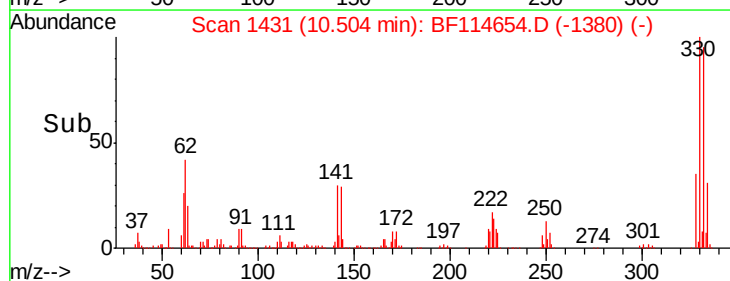
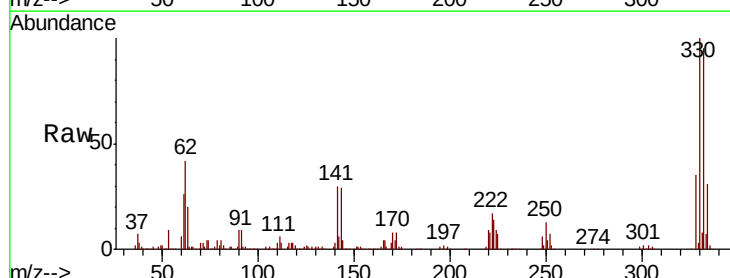
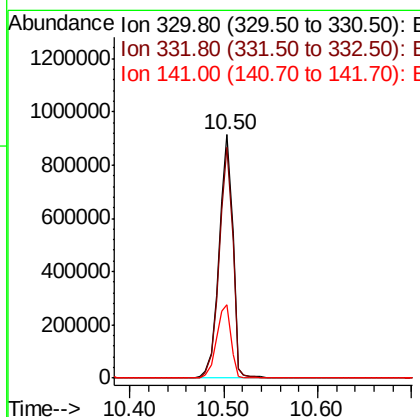
Manual Integrations
APPROVED

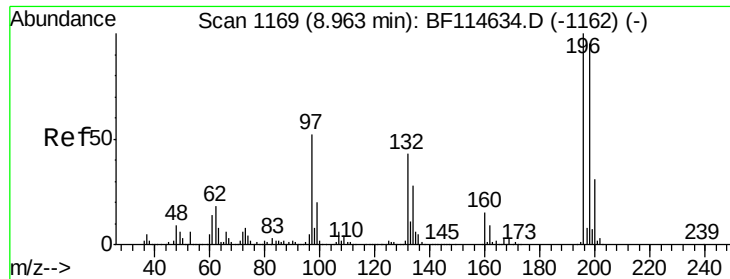
mohammad
6/3/2019 8:46:56 AM



#42
2,4,6-Tribromophenol
Concen: 122.472 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	931538		
332	94.5	75.8	113.8	
141	32.4	27.8	41.8	





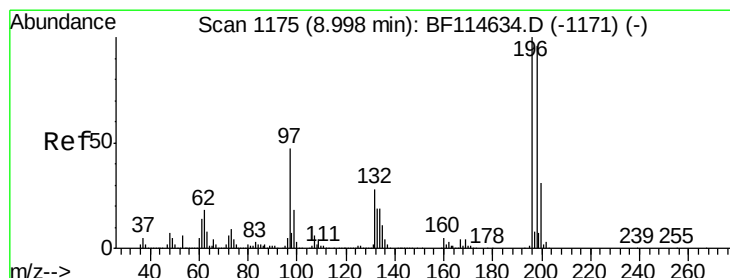
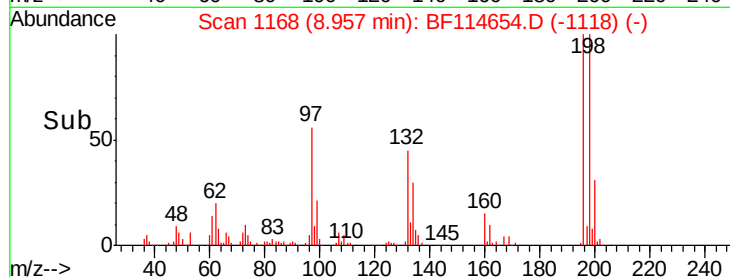
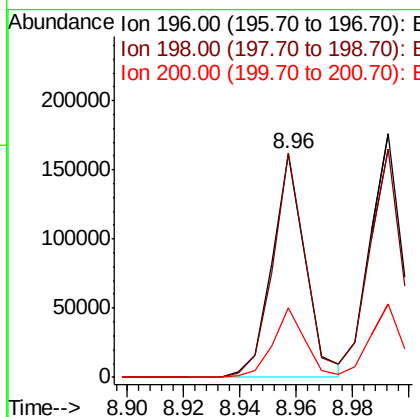
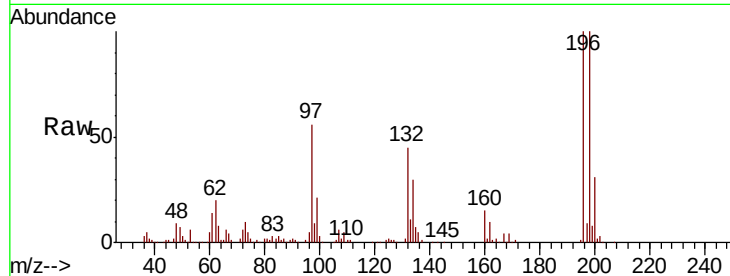
#43
 2,4,6-Trichlorophenol
 Concen: 7.918 ng
 RT: 8.96 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	196	Resp:	132436
Ion Ratio	Lower	Upper	
196	100		
198	100.0	76.1	114.1
200	31.0	24.7	37.1

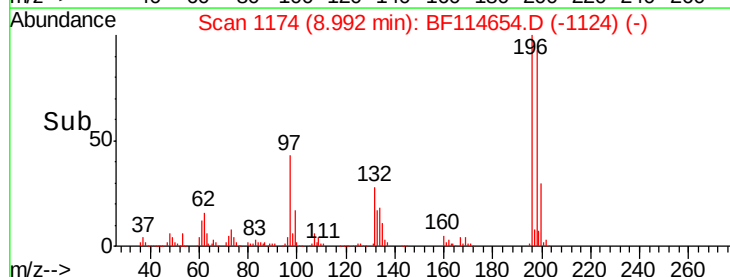
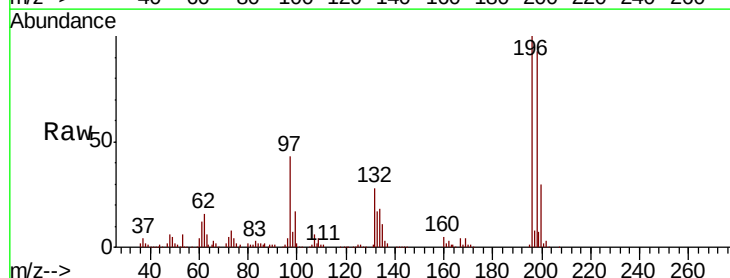
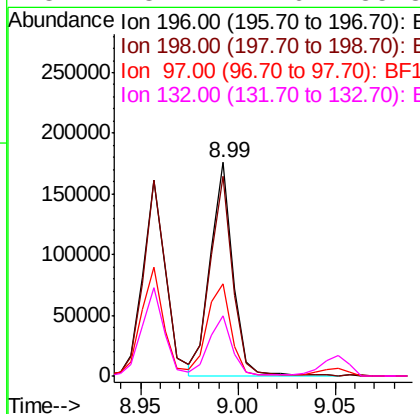
Manual Integrations
 APPROVED

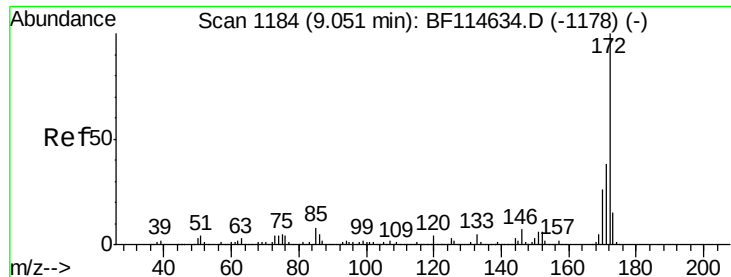
mohammad
 6/3/2019 8:46:56 AM



#44
 2,4,5-Trichlorophenol
 Concen: 8.406 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Tgt Ion:	196	Resp:	140302
Ion Ratio	Lower	Upper	
196	100		
198	93.5	76.8	115.2
97	43.2	37.8	56.8
132	28.1	22.6	33.8





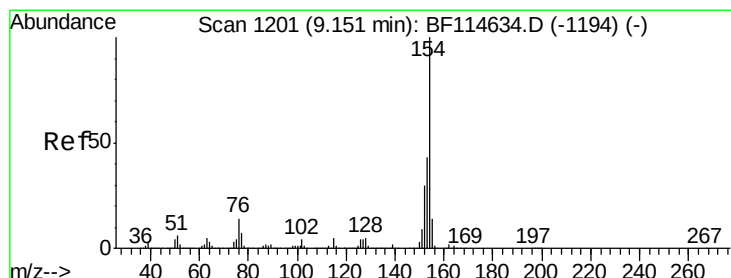
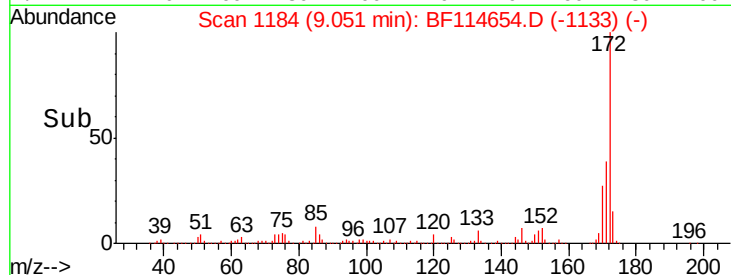
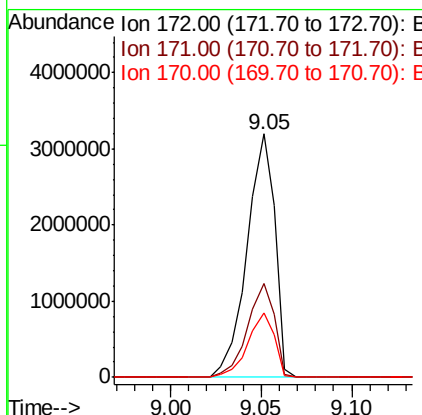
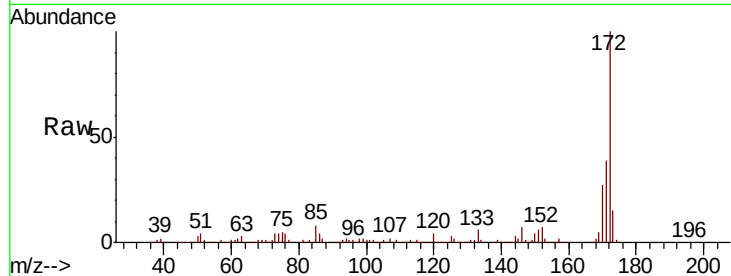
#45
2-Fluorobiphenyl
Concen: 70.983 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.6	45.8
170	26.6	20.7	31.1

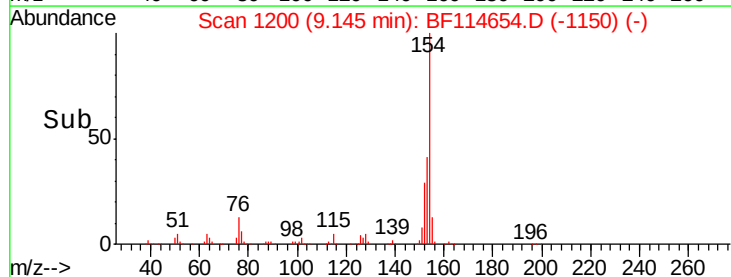
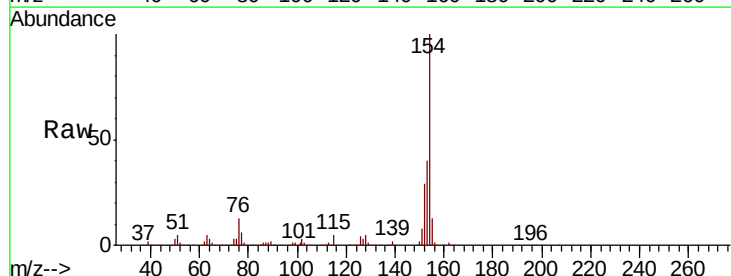
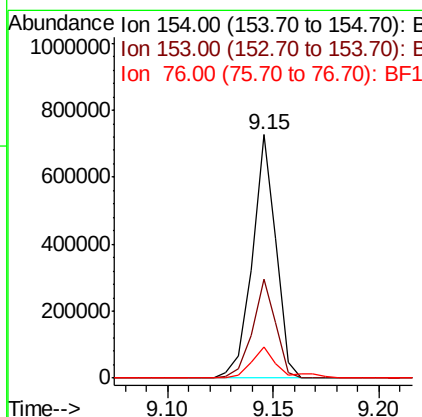
Manual Integrations
APPROVED

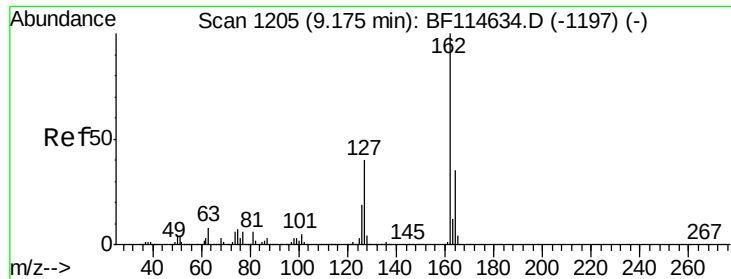
mohammad
6/3/2019 8:46:56 AM



#46
1,1'-Biphenyl
Concen: 9.535 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	23.0	63.0
76	12.9	0.0	33.9





#47

2-Chloronaphthalene

Concen: 8.927 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

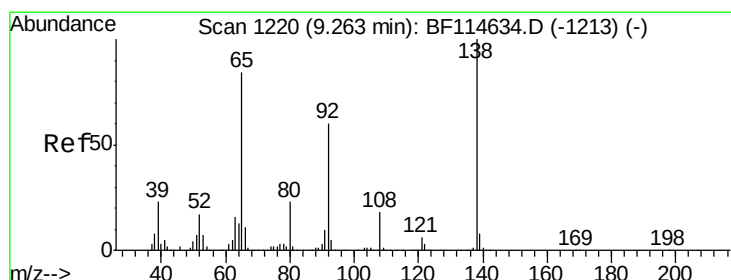
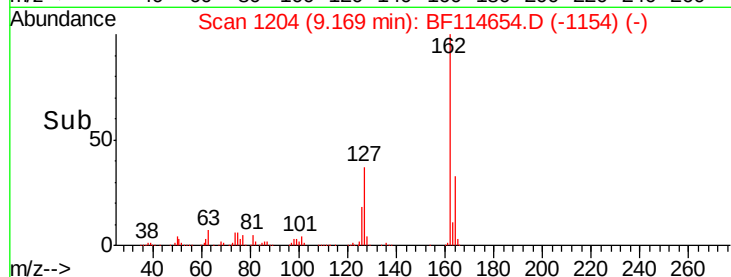
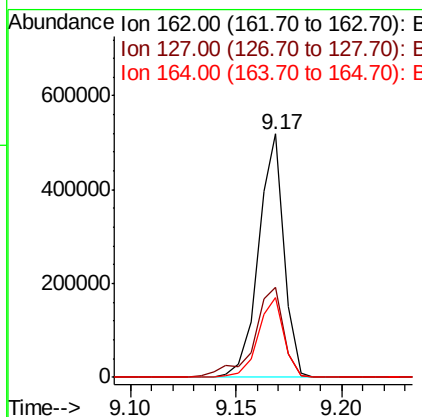
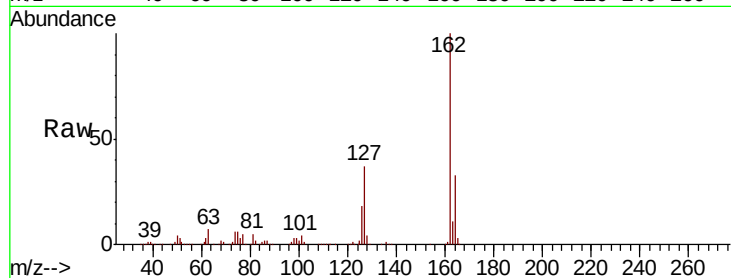
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	162	Resp:	433898
Ion Ratio	Lower	Upper	
162	100		
127	37.1	32.2	48.2
164	32.7	27.8	41.6

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#48

2-Nitroaniline

Concen: 7.165 ng

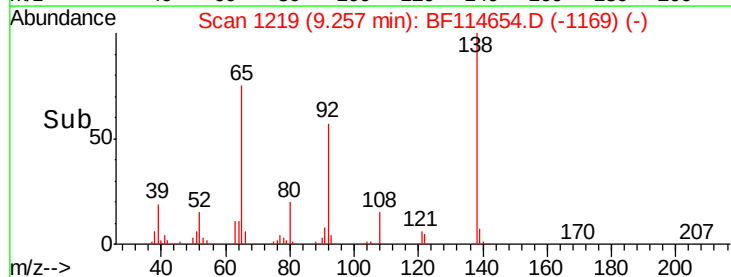
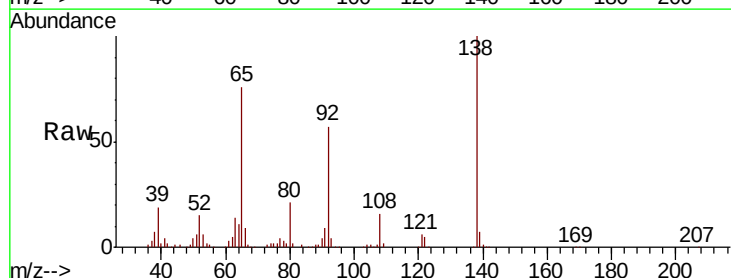
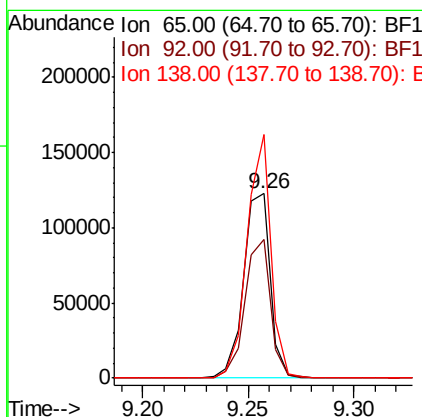
RT: 9.26 min Scan# 1219

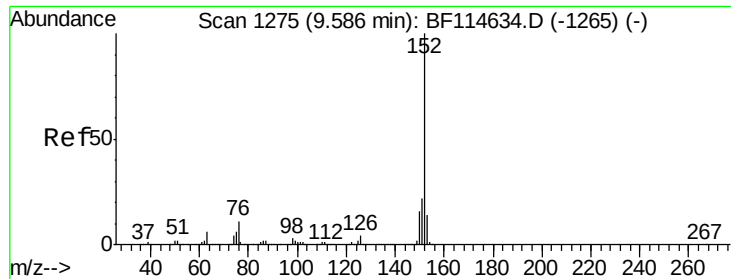
Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	65	Resp:	107471
Ion Ratio	Lower	Upper	
65	100		
92	75.2	57.1	85.7
138	131.9	95.8	143.6





#49

Acenaphthylene

Concen: 9.248 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

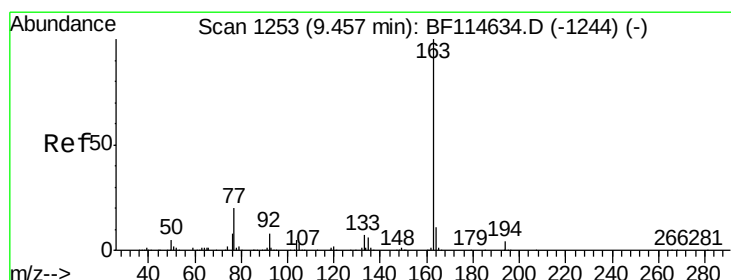
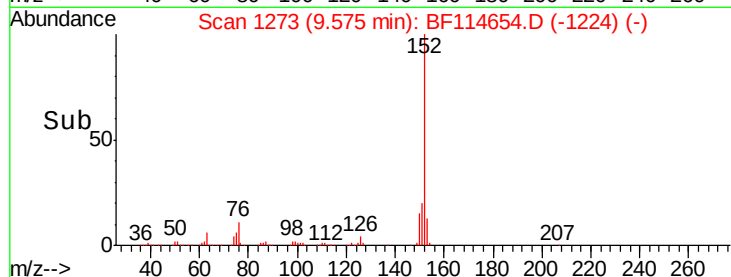
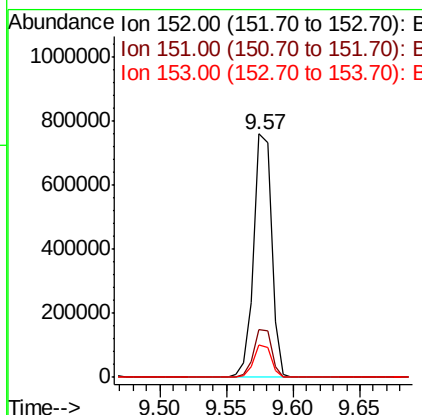
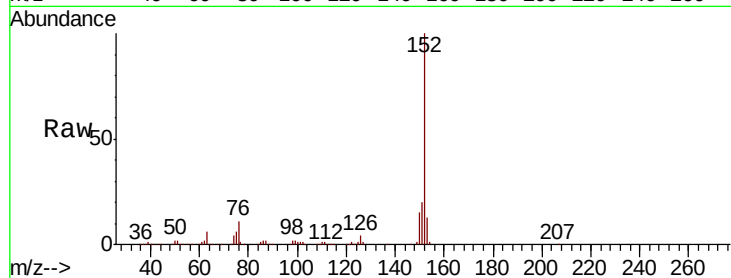
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	152	Resp:	694449
Ion Ratio	Lower	Upper	
152	100		
151	19.7	17.5	26.3
153	13.3	11.6	17.4

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#50

Dimethylphthalate

Concen: 8.721 ng

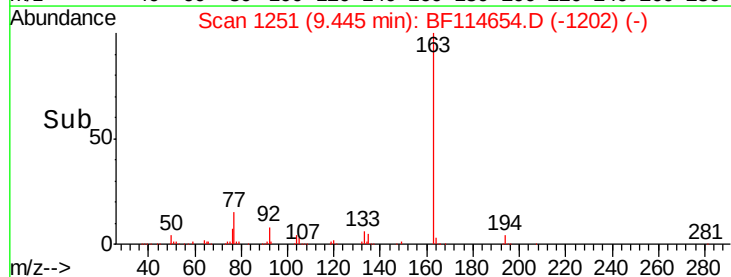
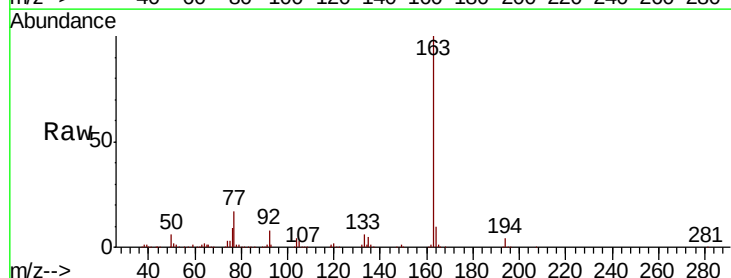
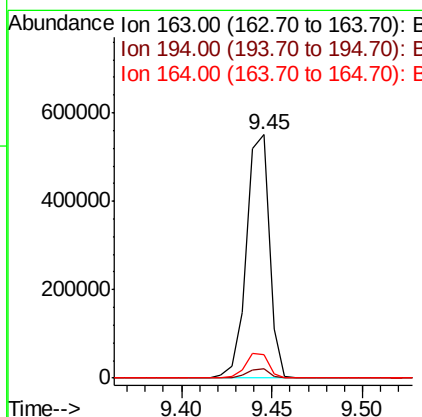
RT: 9.45 min Scan# 1251

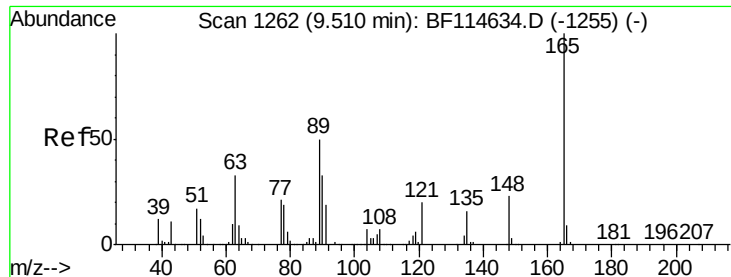
Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	163	Resp:	485117
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.4	5.0
164	9.8	8.6	13.0





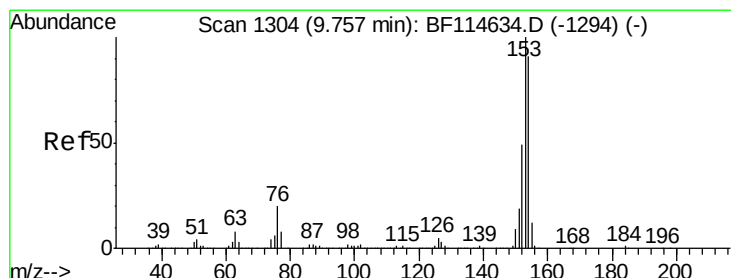
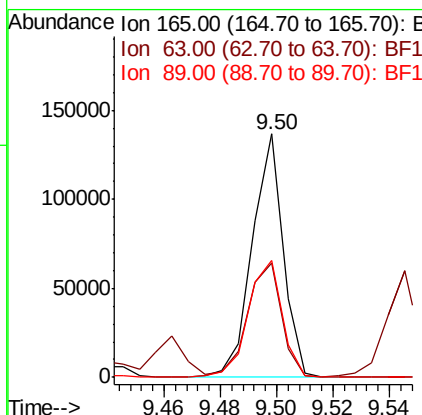
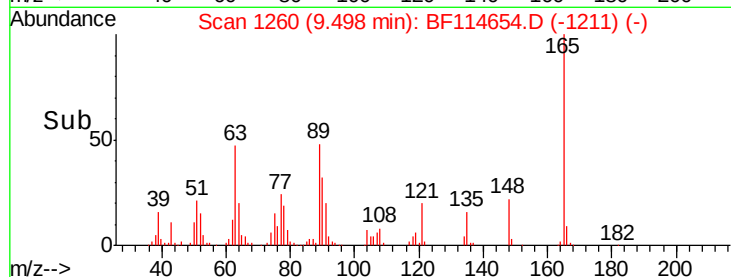
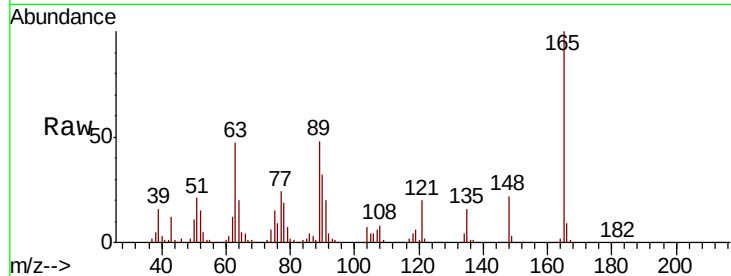
#51
 2,6-Dinitrotoluene
 Concen: 8.068 ng
 RT: 9.50 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
165	100	104273		
63	46.8	36.6	54.8	
89	47.8	40.2	60.4	

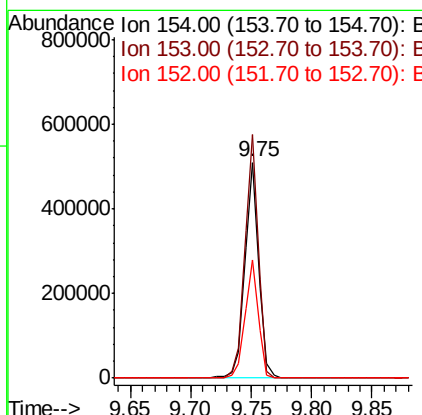
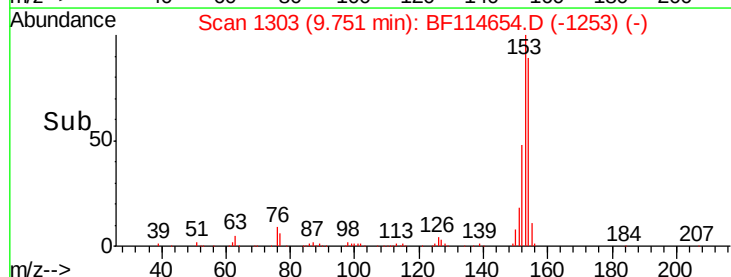
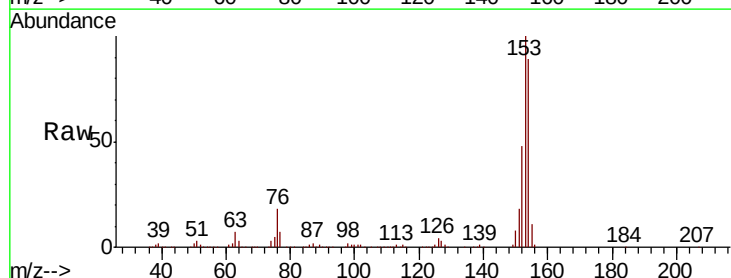
Manual Integrations
 APPROVED

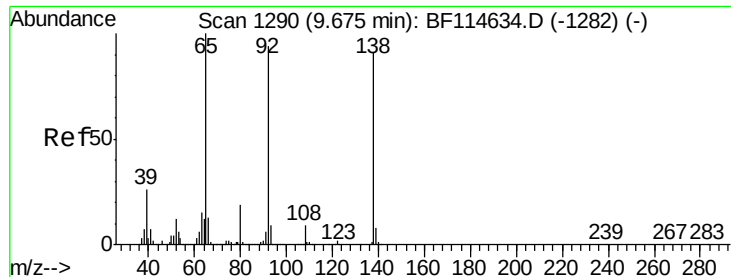
mohammad
 6/3/2019 8:46:56 AM



#52
 Acenaphthene
 Concen: 8.934 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	411430		
153	112.8	88.4	132.6	
152	54.6	43.4	65.0	





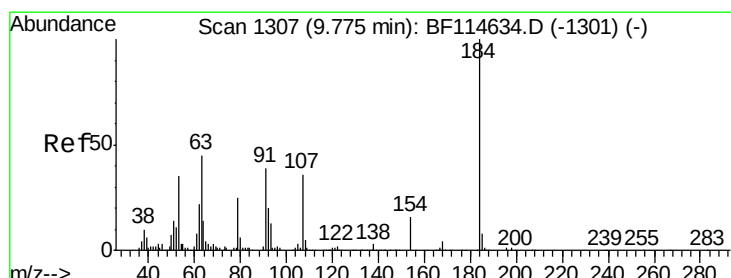
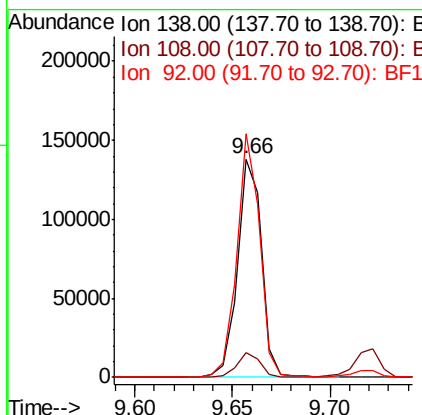
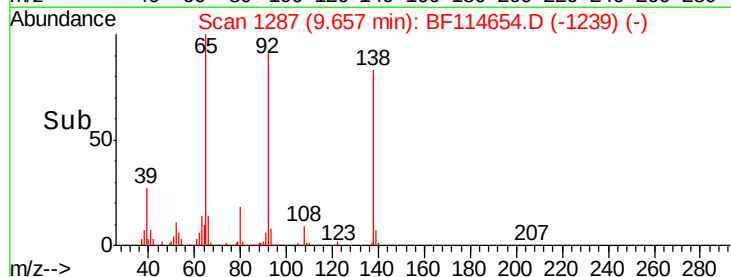
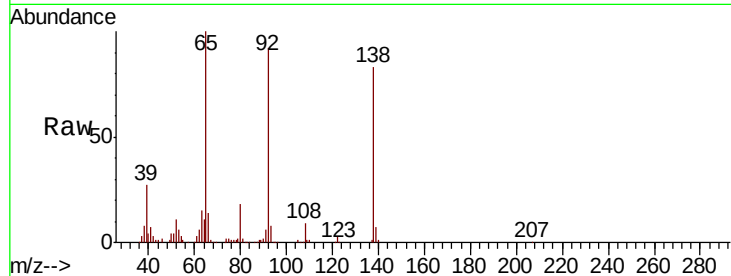
#53
3-Nitroaniline
Concen: 7.472 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.3	12.5
92	111.5	83.1	124.7

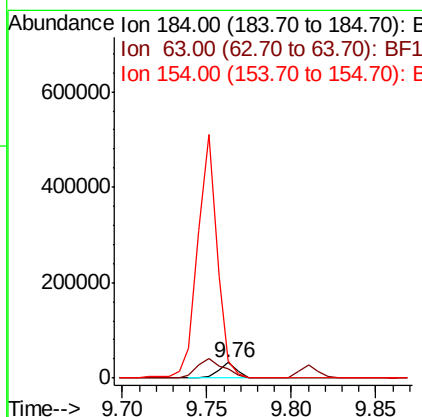
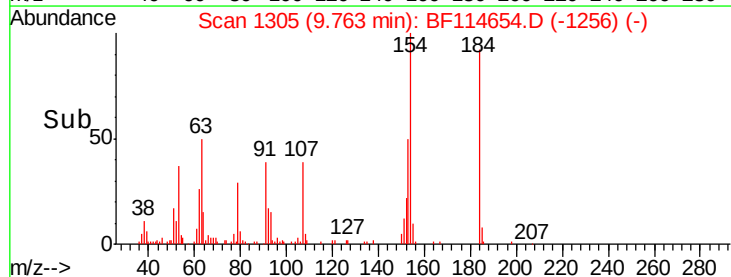
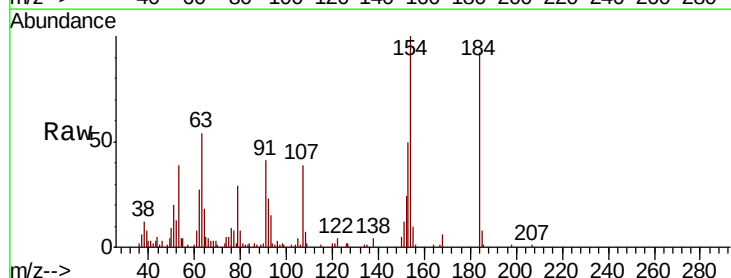
Manual Integrations
APPROVED

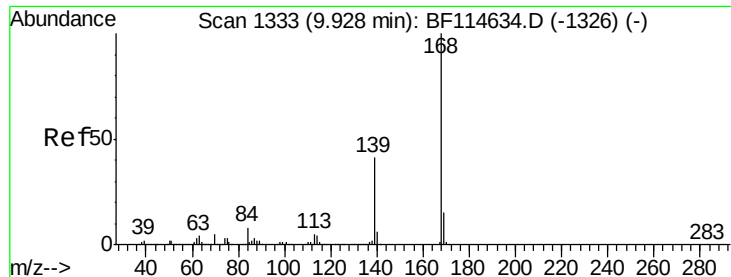
mohammad
6/3/2019 8:46:56 AM



#54
2,4-Dinitrophenol
Concen: 4.953 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.3	38.8	58.2#
154	109.0	43.7	65.5#





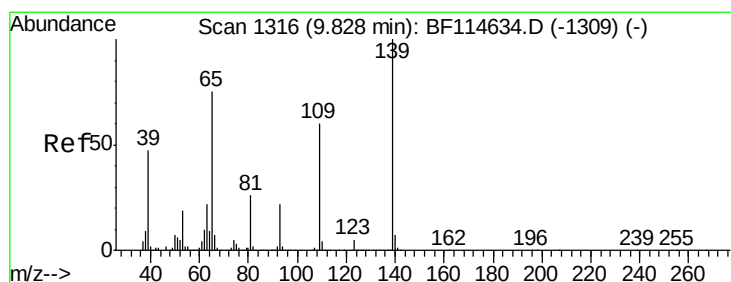
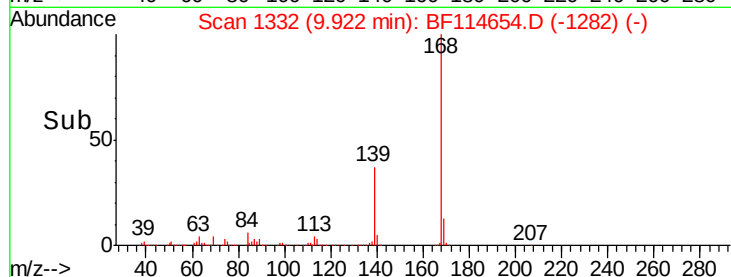
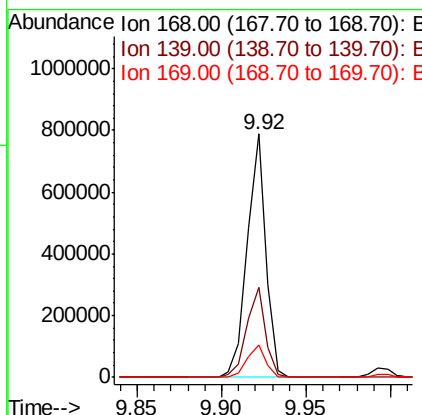
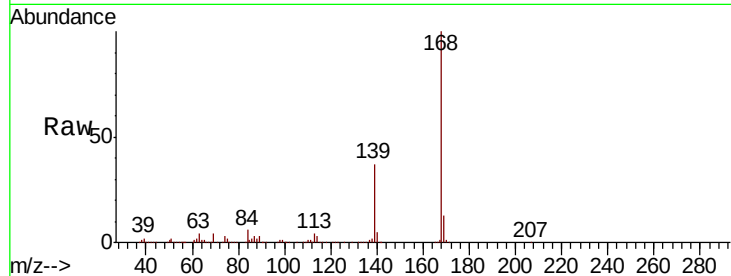
#55
Dibenzenofuran
Concen: 9.321 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.8	32.6	48.8
169	13.2	11.8	17.8

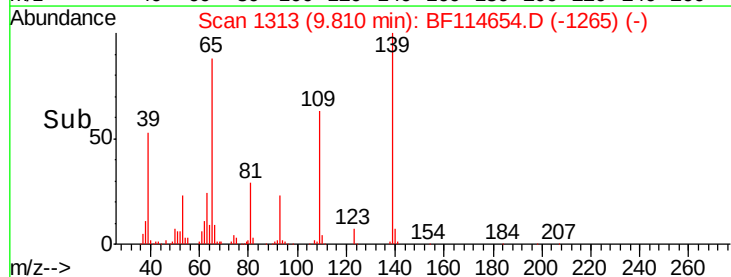
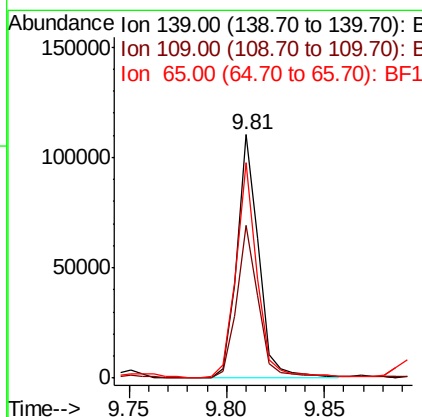
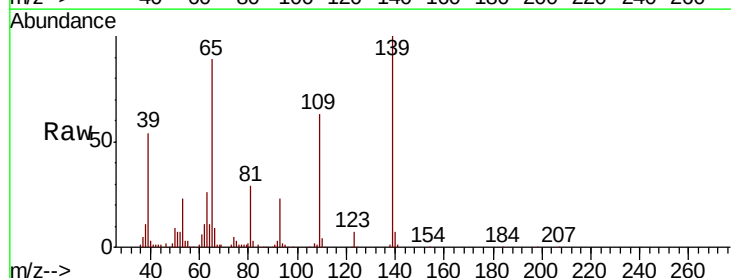
Manual Integrations
APPROVED

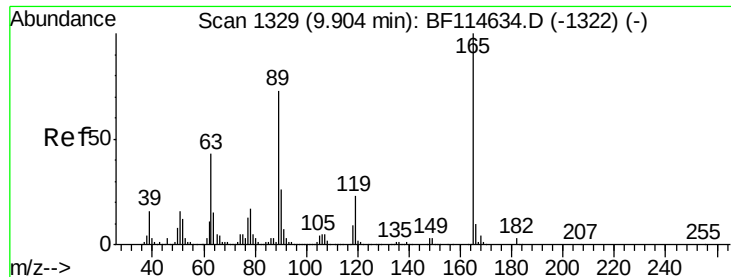
mohammad
6/3/2019 8:46:56 AM



#56
4-Nitrophenol
Concen: 7.298 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.02 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
139	100		
109	62.7	40.4	80.4
65	88.6	54.7	94.7





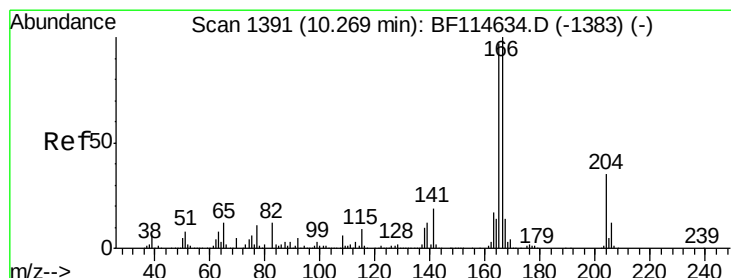
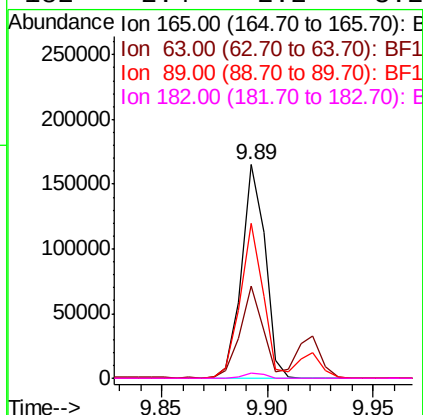
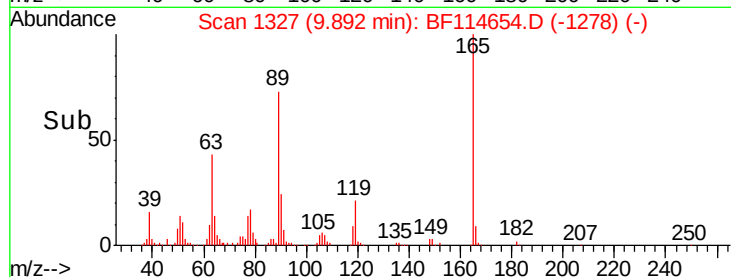
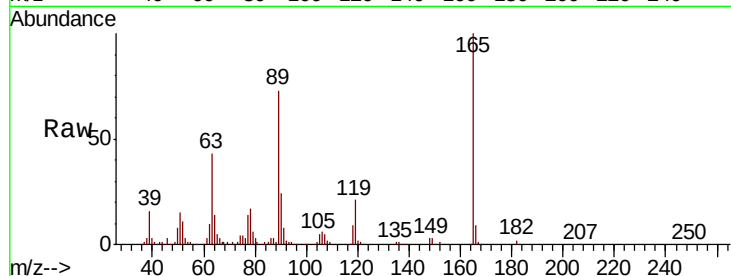
#57
2,4-Dinitrotoluene
Concen: 7.686 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		127501		
63	42.9	34.8	52.2		
89	72.5	58.5	87.7		
182	2.4	2.2	3.2		

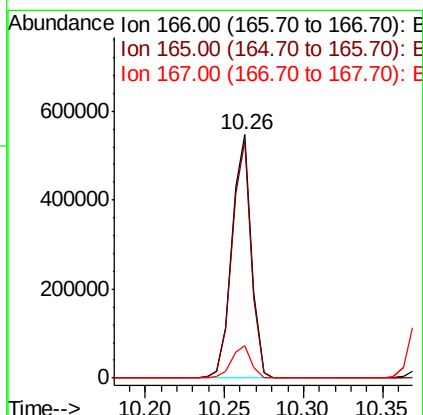
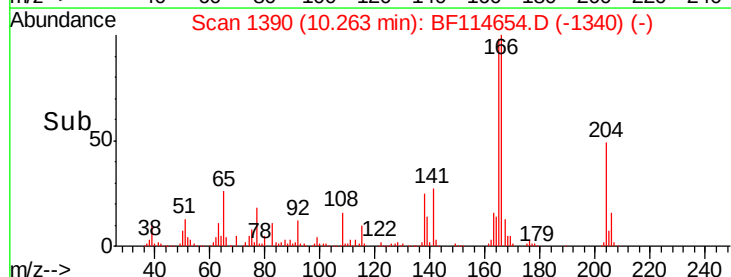
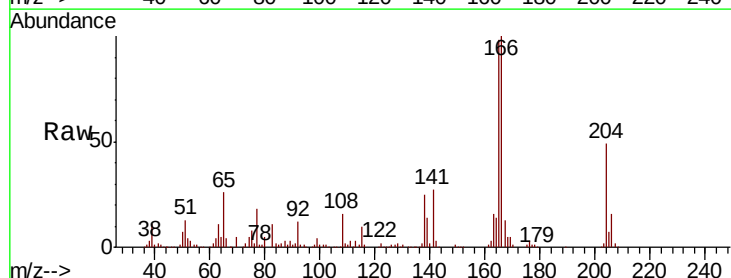
Manual Integrations
APPROVED

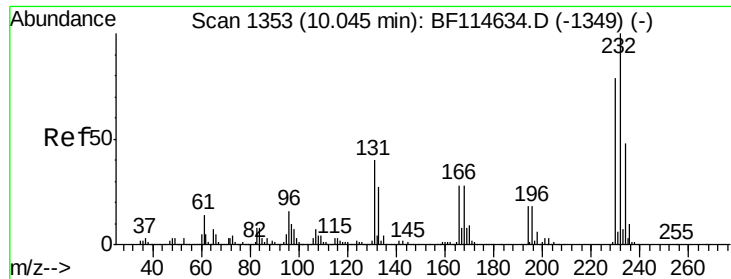
mohammad
6/3/2019 8:46:56 AM



#58
Fluorene
Concen: 10.496 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		464571		
165	97.5	77.6	116.4		
167	13.1	11.2	16.8		





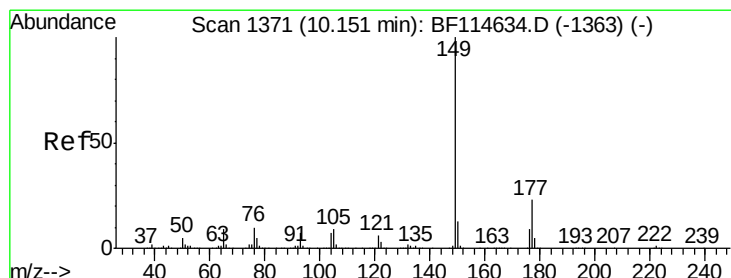
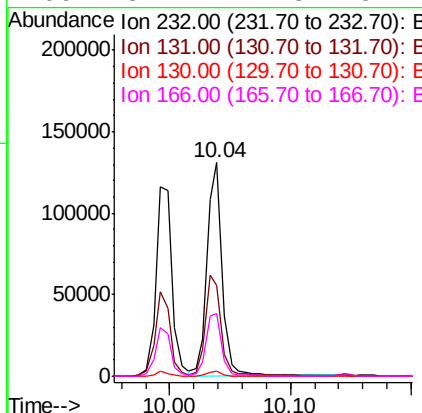
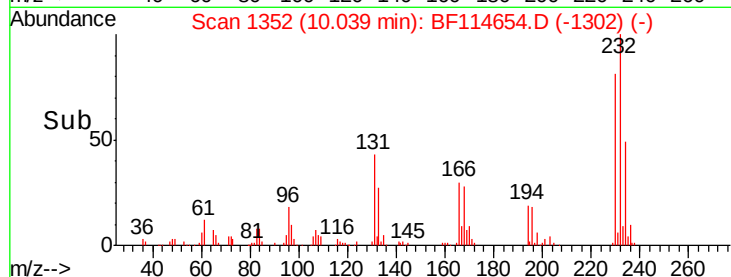
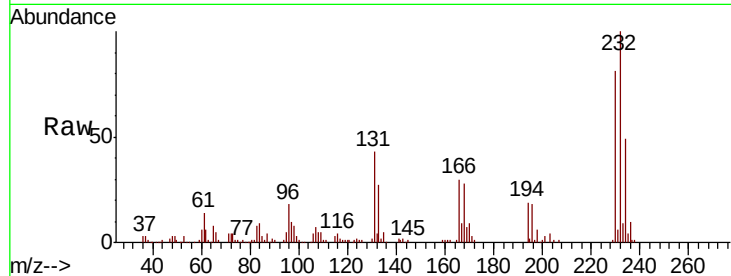
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.305 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
232	100		
131	49.8	37.2	55.8
130	2.2	1.8	2.8
166	31.2	24.8	37.2

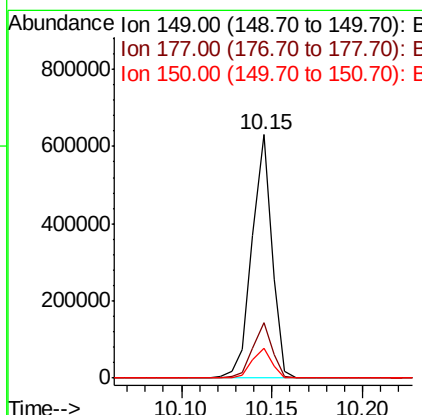
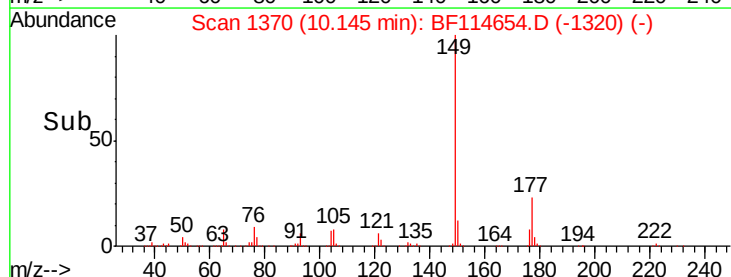
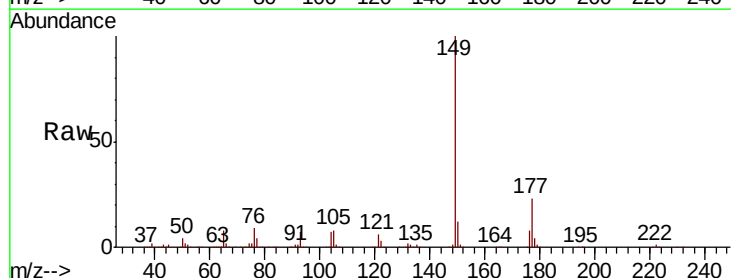
Manual Integrations
APPROVED

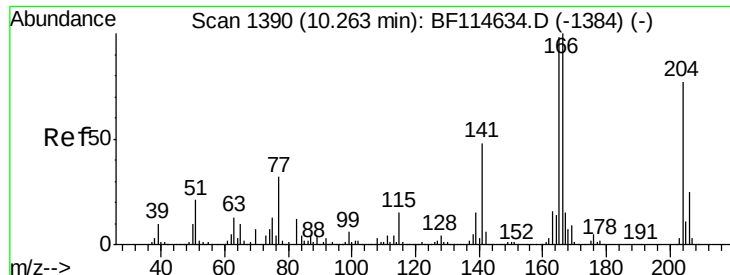
mohammad
6/3/2019 8:46:56 AM



#60
Diethylphthalate
Concen: 8.543 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.6	28.0
150	12.2	10.6	15.8





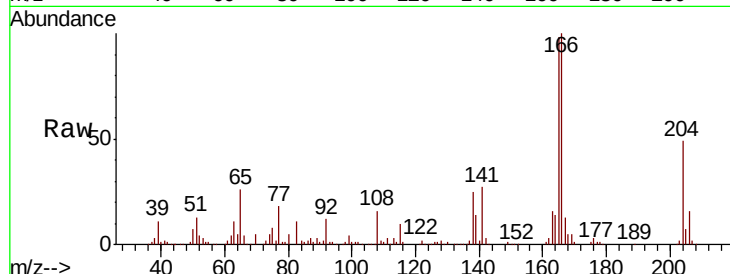
#61
 4-Chlorophenyl-phenylether
 Concen: 10.101 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

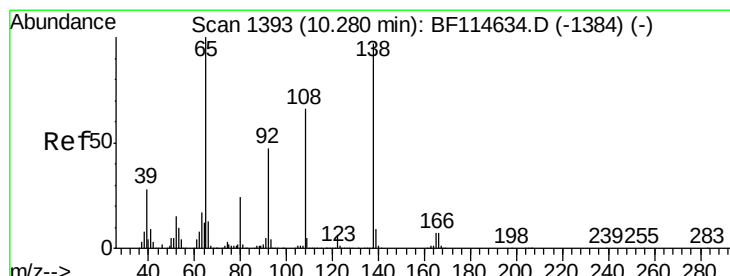
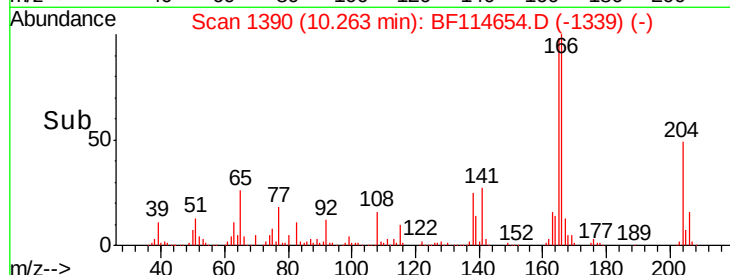
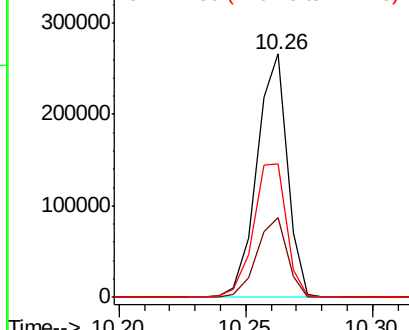
Tot Ion:	204	Resp:	223694
Ion Ratio	Lower	Upper	
204	100		
206	32.7	26.4	39.6
141	55.0	50.0	75.0

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:46:56 AM

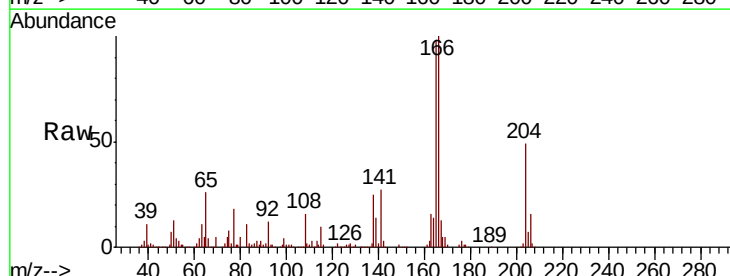


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

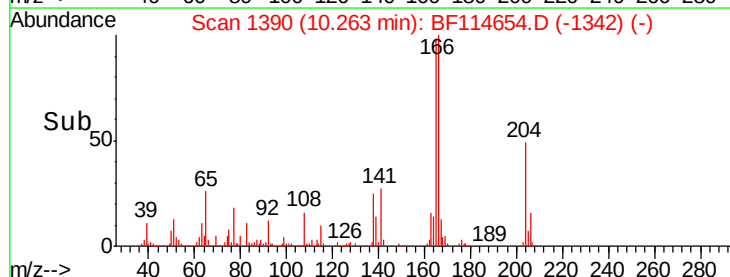
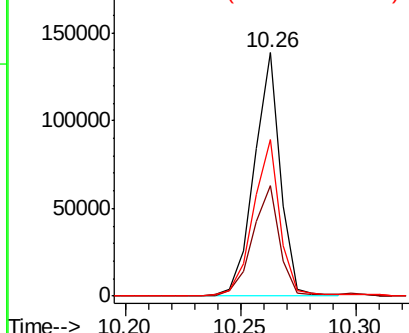


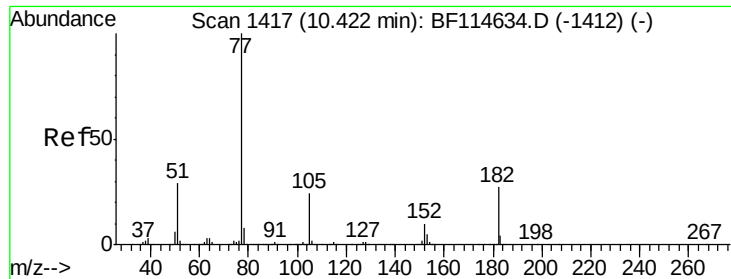
#62
 4-Nitroaniline
 Concen: 7.141 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Tgt Ion:	138	Resp:	110070
Ion Ratio	Lower	Upper	
138	100		
92	45.5	28.0	68.0
108	64.3	48.4	88.4



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





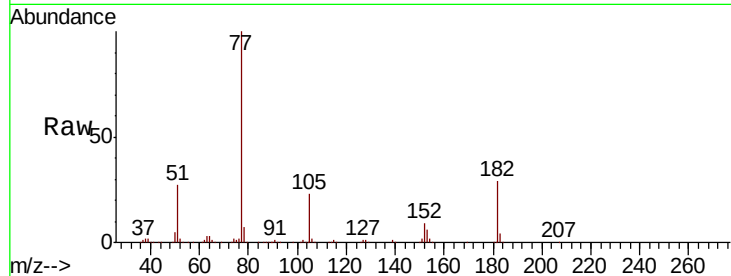
#63
Azobenzene
Concen: 8.852 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

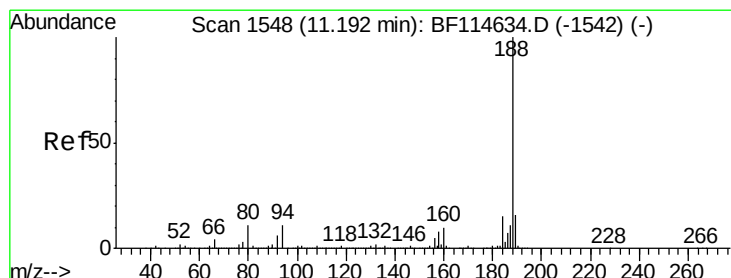
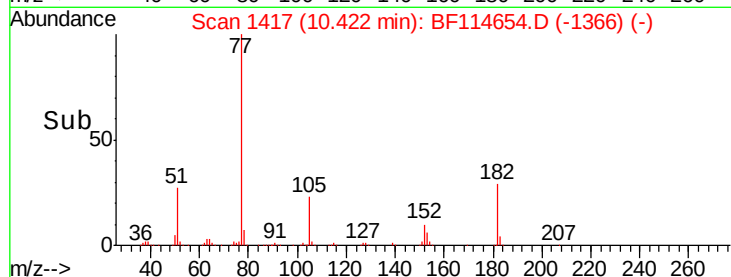
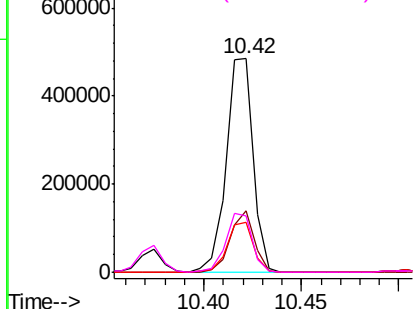
Tot Ion	Ratio	Lower	Upper
77	100		
182	28.9	7.0	47.0
105	23.5	3.7	43.7
51	26.6	9.1	49.1

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



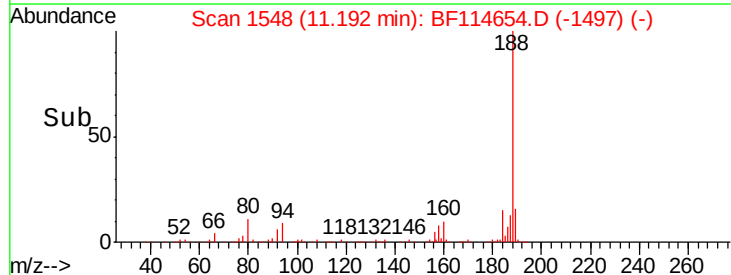
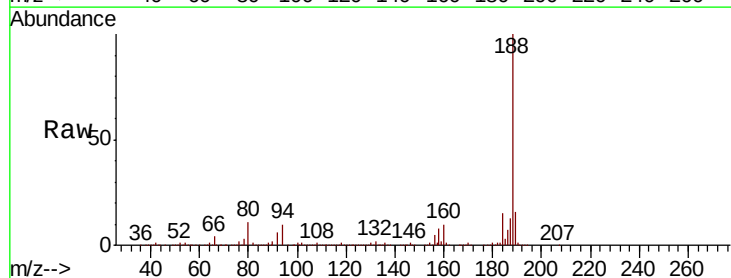
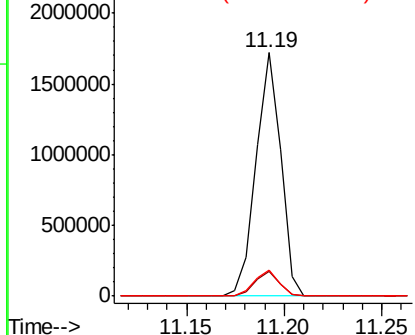
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

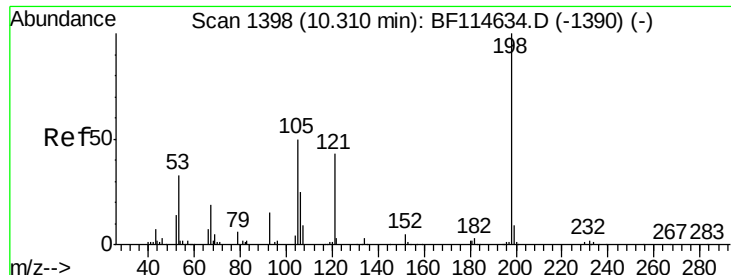


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.6	13.0
80	10.7	9.0	13.6

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 5.935 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

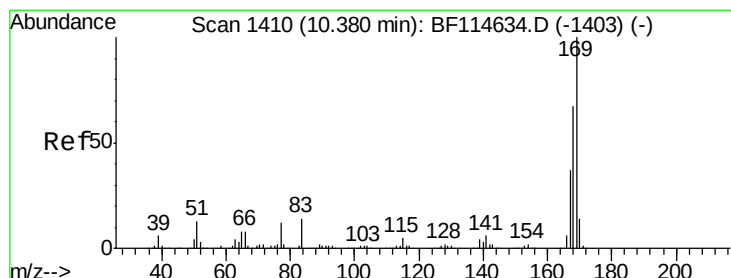
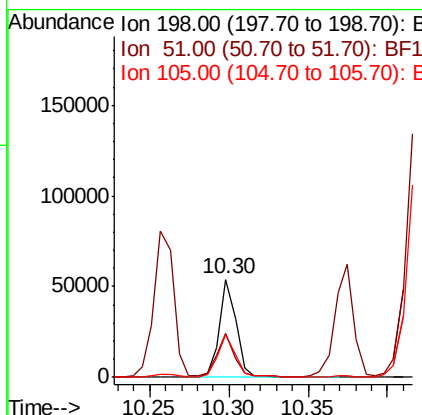
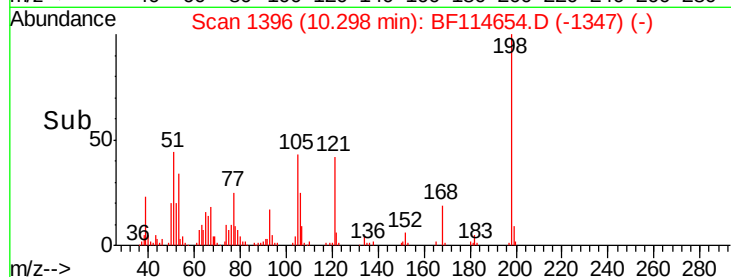
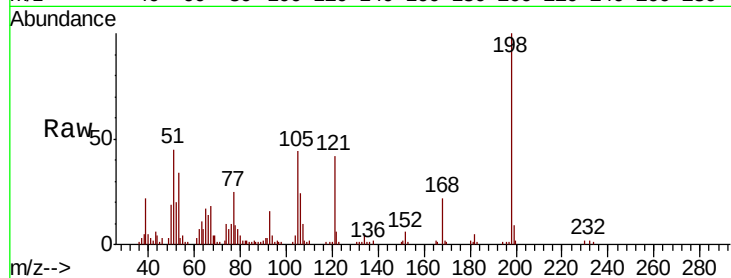
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	198	Resp:	39971
Ion Ratio	Lower	Upper	
198	100		
51	44.5	29.0	69.0
105	43.6	30.4	70.4

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#66

n-Nitrosodiphenylamine

Concen: 9.120 ng

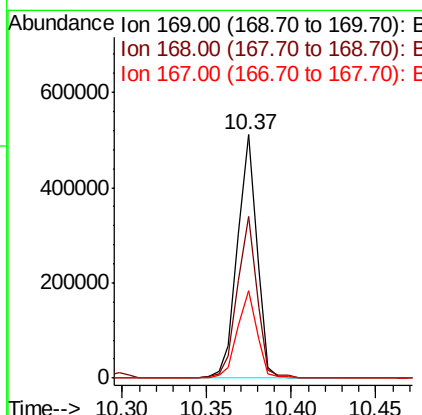
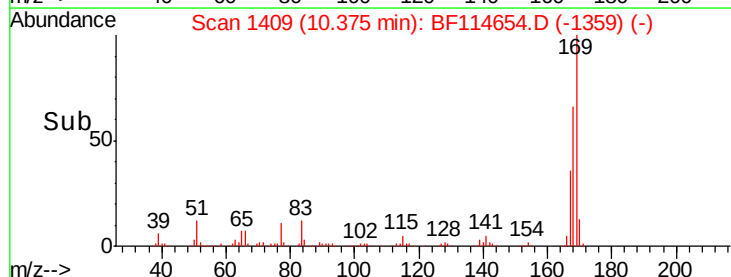
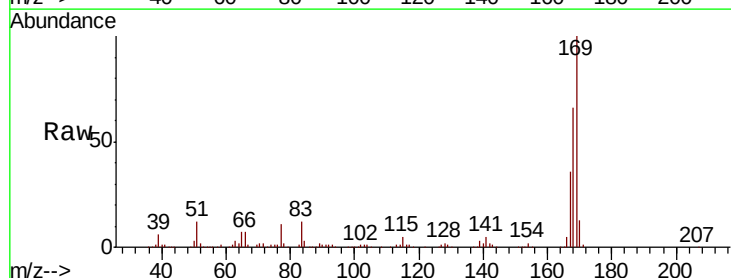
RT: 10.37 min Scan# 1409

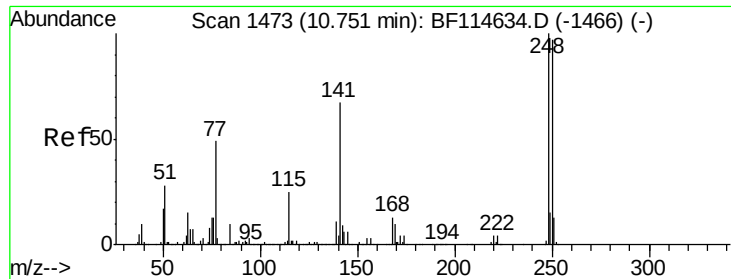
Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	169	Resp:	409237
Ion Ratio	Lower	Upper	
169	100		
168	66.2	53.8	80.8
167	35.9	29.8	44.6





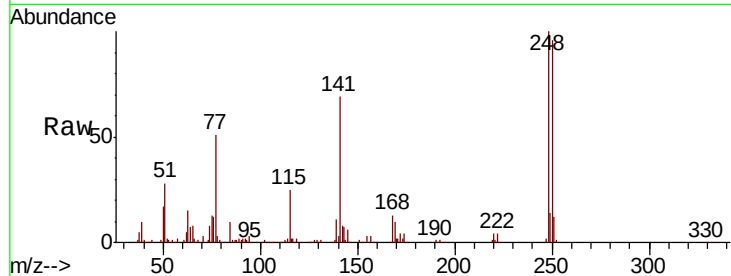
#67
4-Bromophenyl-phenylether
Concen: 8.536 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.3	78.0	117.0
141	68.9	53.8	80.8

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM

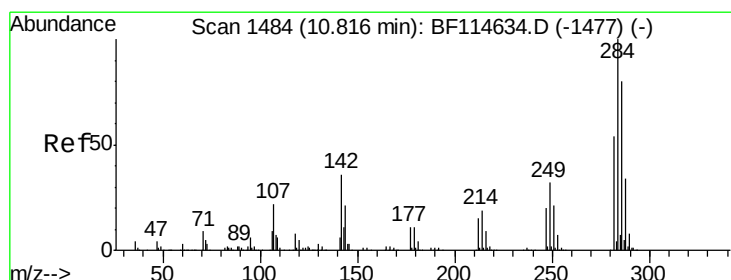
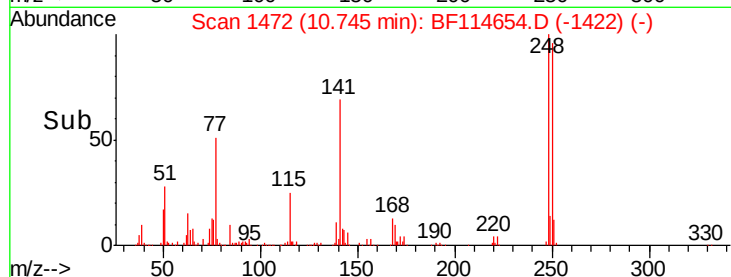
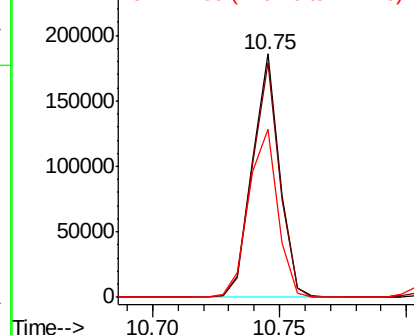


Abundance

Ion 248.00 (247.70 to 248.70): E

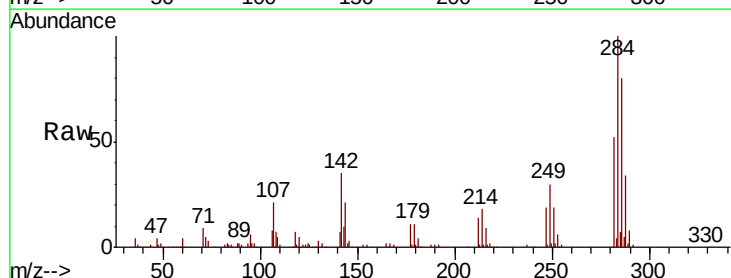
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 8.624 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.9	43.3
249	30.4	25.8	38.6

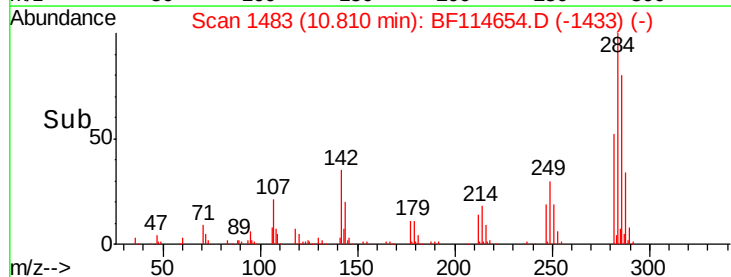
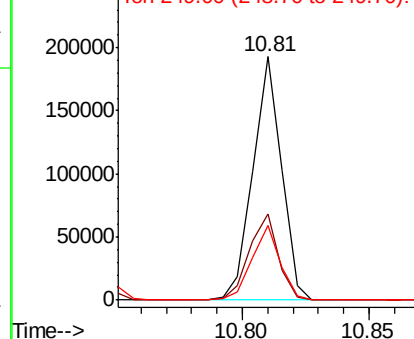


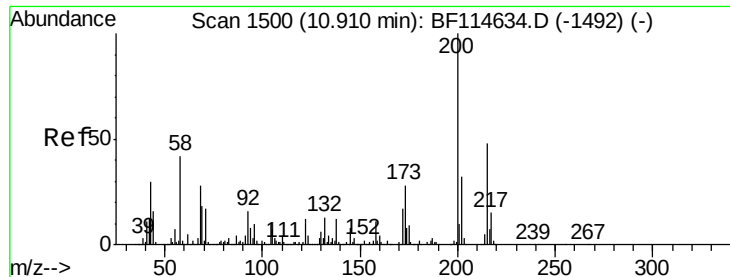
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





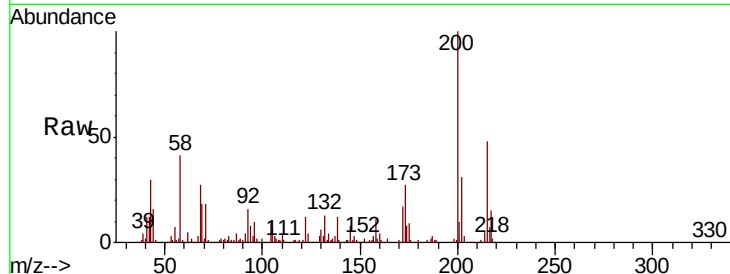
#69
Atrazine
Concen: 8.718 ng
RT: 10.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.9	47.9
215	47.8	27.8	67.8

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM

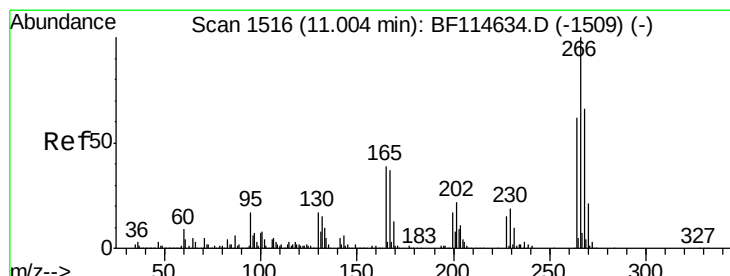
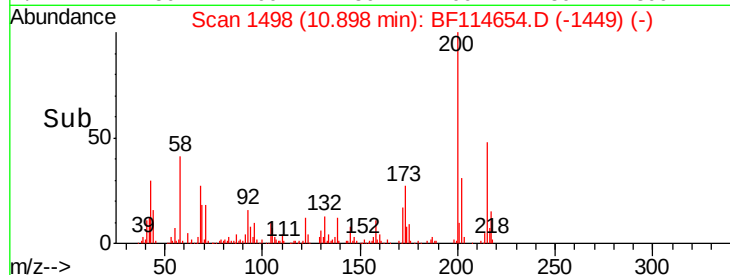
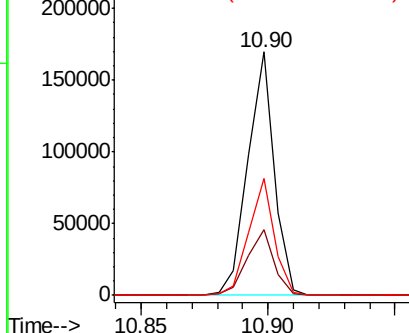


Abundance

Ion 200.00 (199.70 to 200.70): E

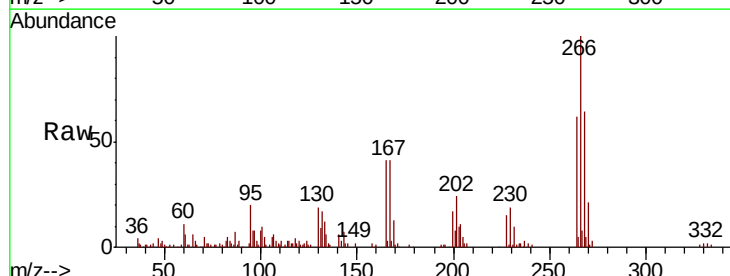
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 7.269 ng
RT: 11.00 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.6	52.8	79.2
264	61.6	49.9	74.9

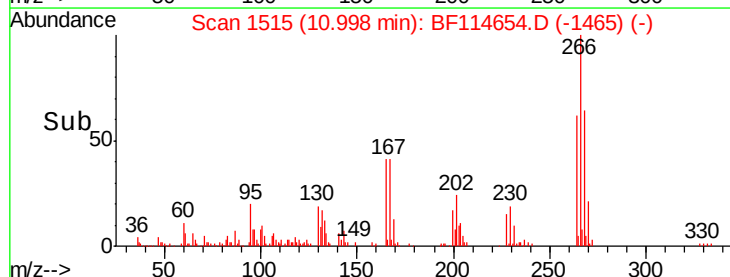
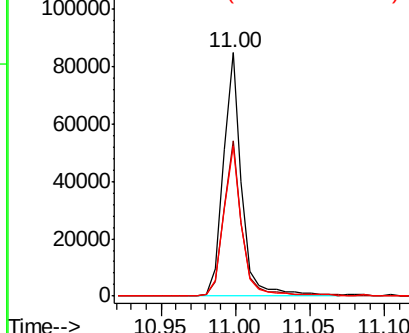


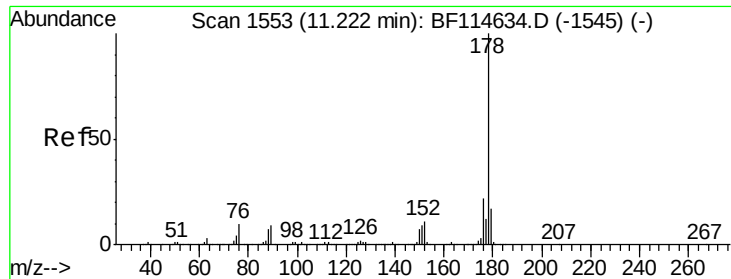
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





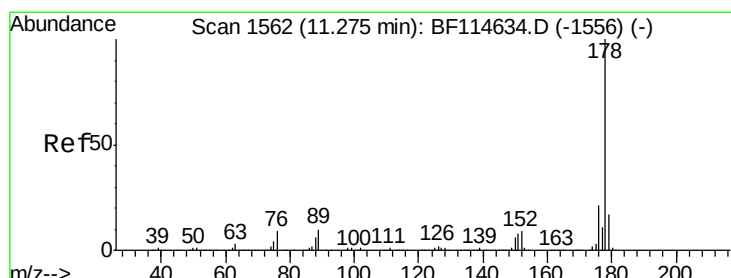
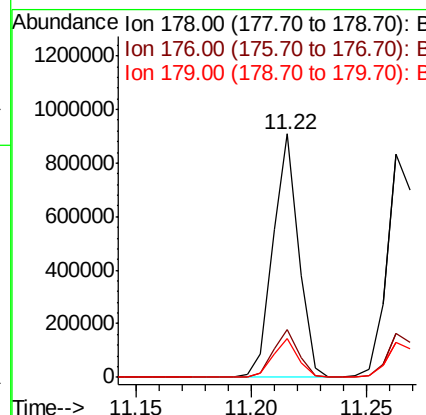
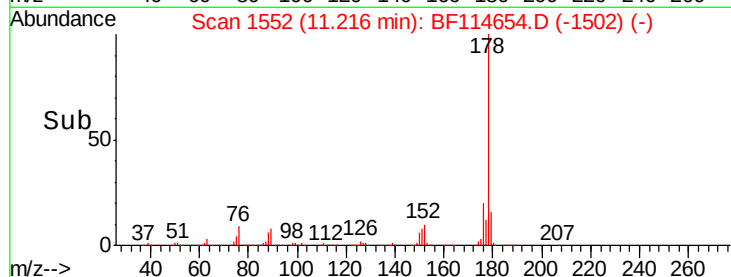
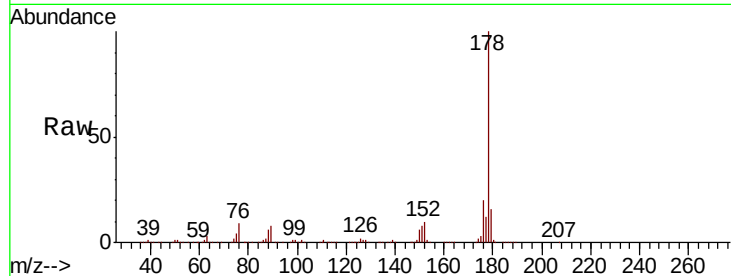
#71
Phenanthrene
Concen: 9.021 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	17.2	25.8
179	15.7	13.9	20.9

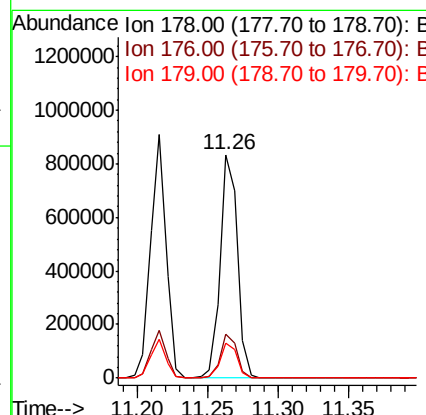
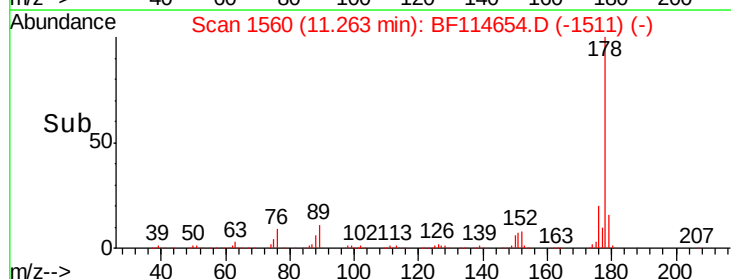
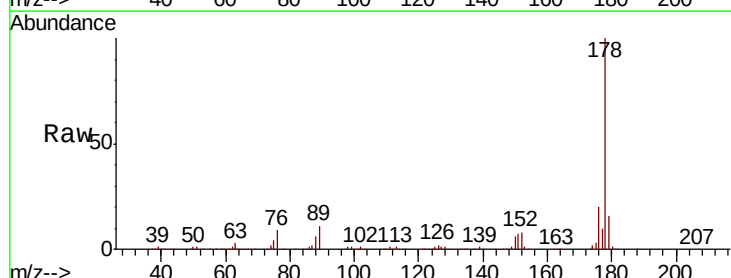
Manual Integrations
APPROVED

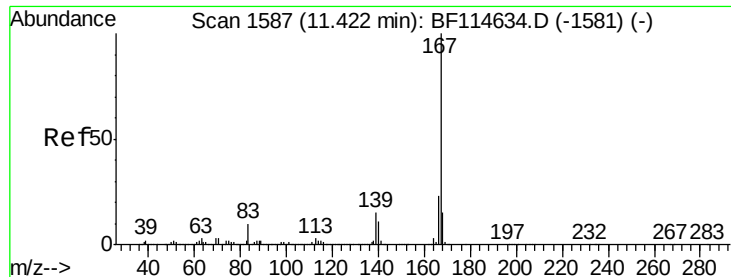
mohammad
6/3/2019 8:46:56 AM



#72
Anthracene
Concen: 9.031 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	24.8
179	15.9	13.4	20.0





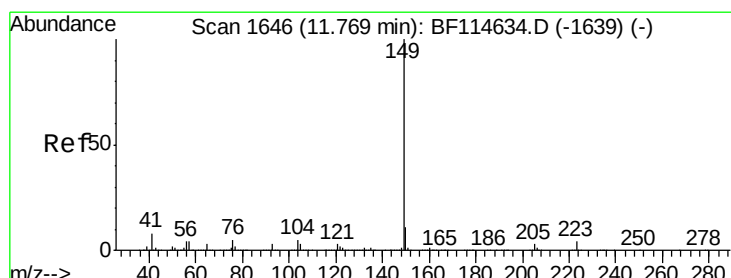
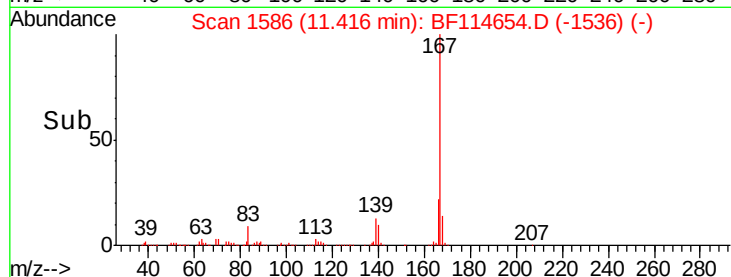
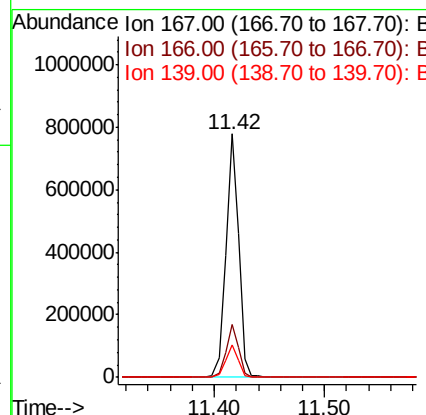
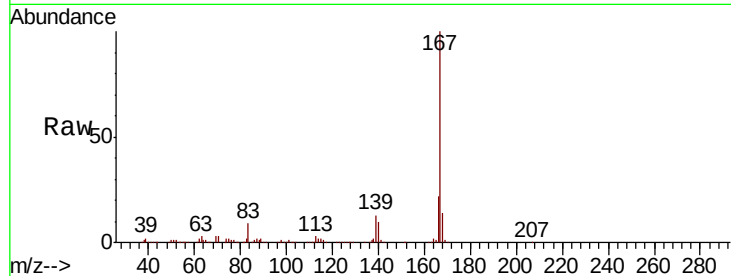
#73
 Carbazole
 Concen: 9.096 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.7	28.1
139	13.5	11.8	17.8

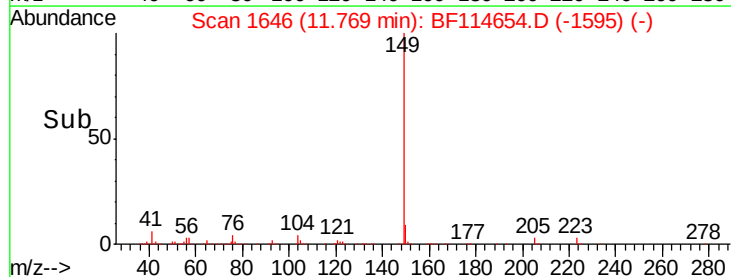
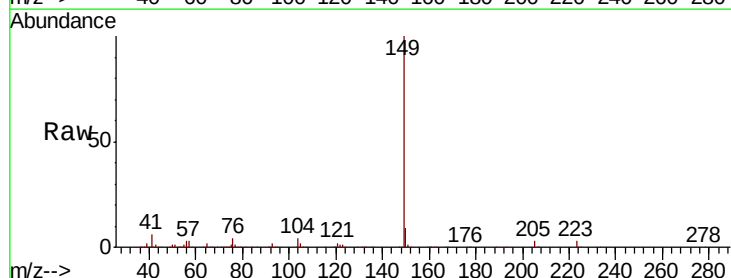
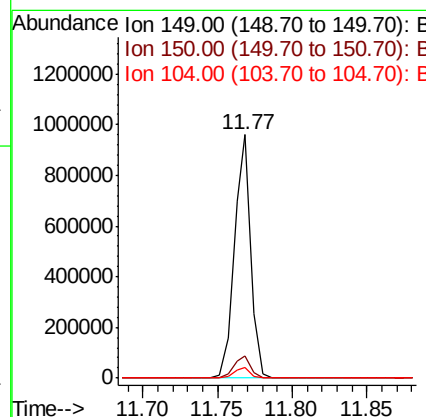
Manual Integrations
 APPROVED

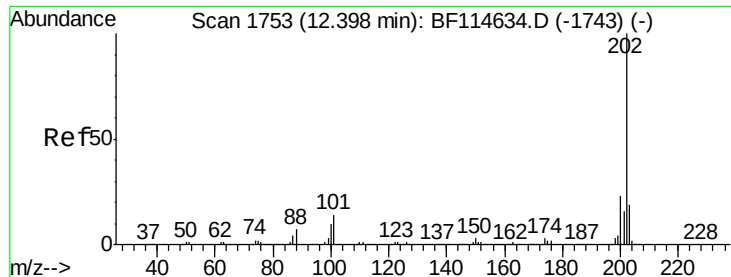
mohammad
 6/3/2019 8:46:56 AM



#74
 Di-n-butylphthalate
 Concen: 8.890 ng
 RT: 11.77 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	8.6	12.8
104	4.2	4.3	6.5#





#75

Fluoranthene

Concen: 8.734 ng

RT: 12.39 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

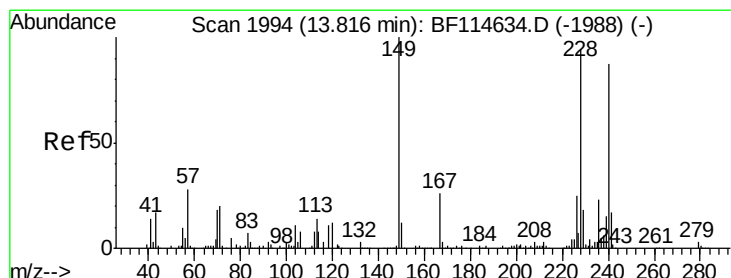
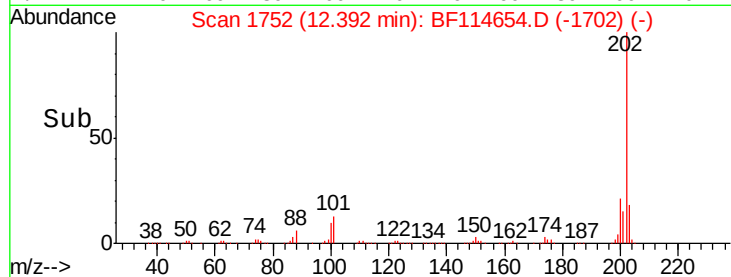
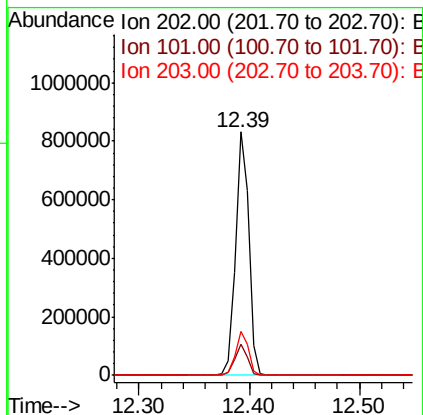
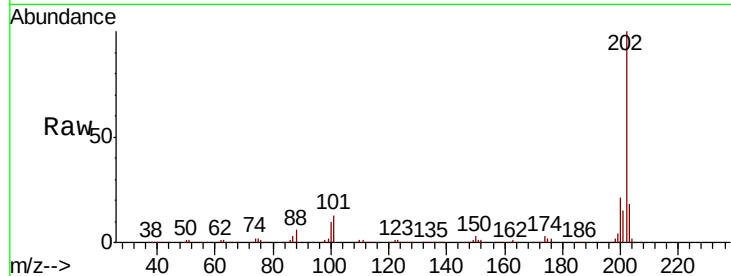
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
202	100	700677		
101	13.0		0.0	33.9
203	17.8		0.0	39.1

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#76

Chrysene-d12

Concen: 20.000 ng

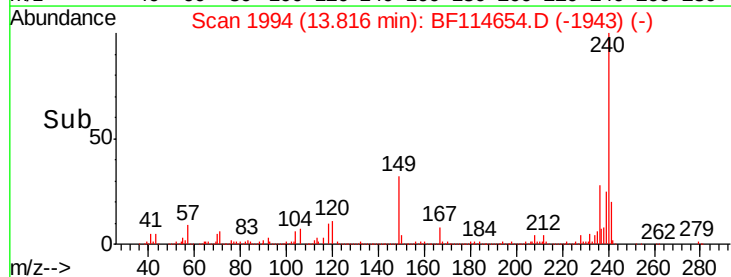
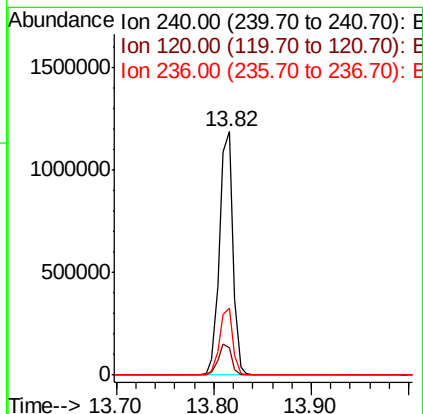
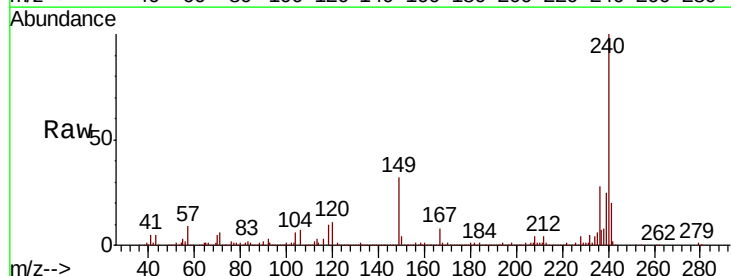
RT: 13.82 min Scan# 1994

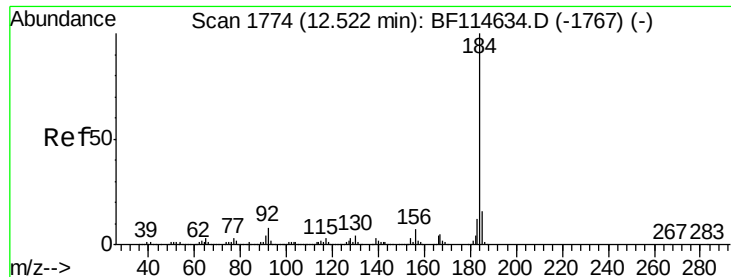
Delta R.T. 0.00 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	1137790		
120	11.1		11.2	16.8#
236	27.5		21.2	31.8





#77

Benzidine

Concen: 8.027 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

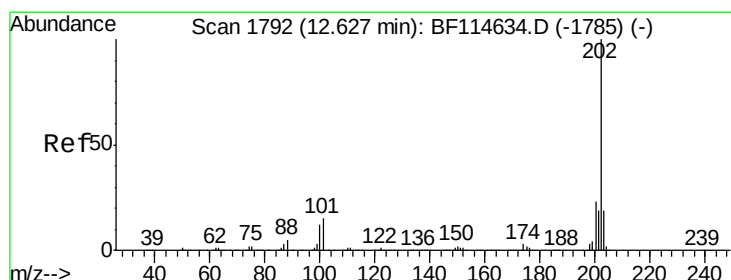
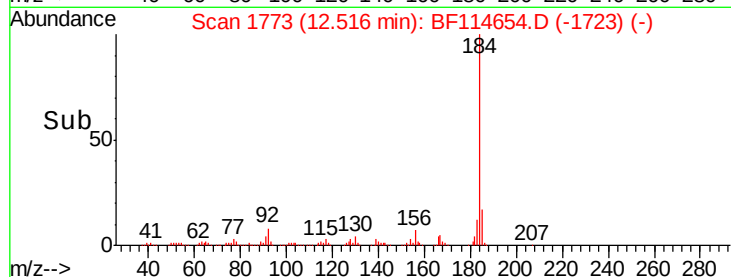
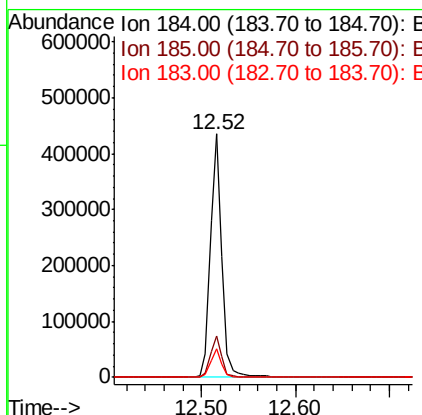
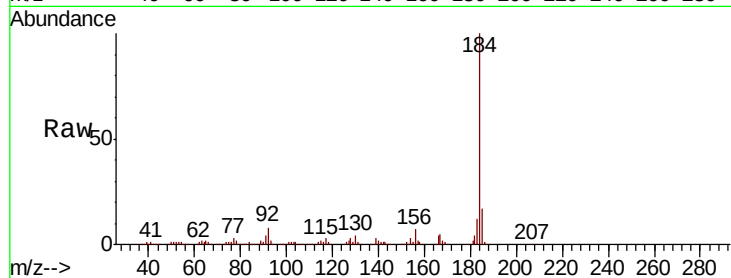
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	184	Resp:	376078
Ion Ratio	Lower	Upper	
184	100		
185	16.8	12.6	18.8
183	12.0	9.4	14.2

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#78

Pyrene

Concen: 7.394 ng

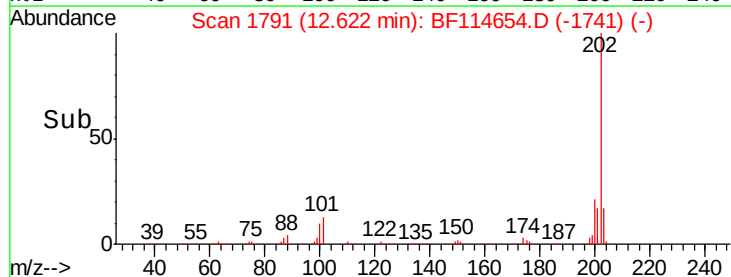
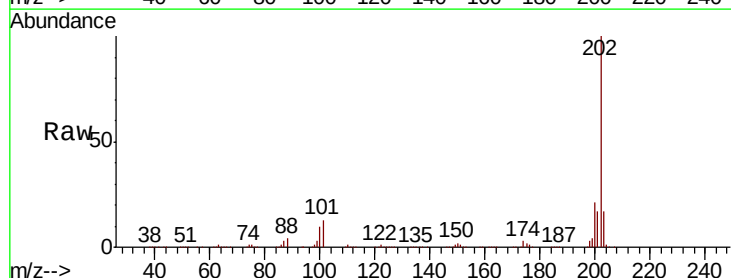
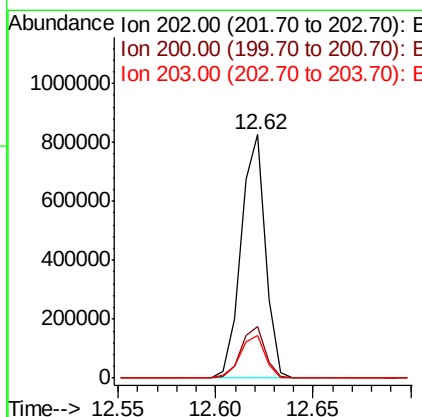
RT: 12.62 min Scan# 1791

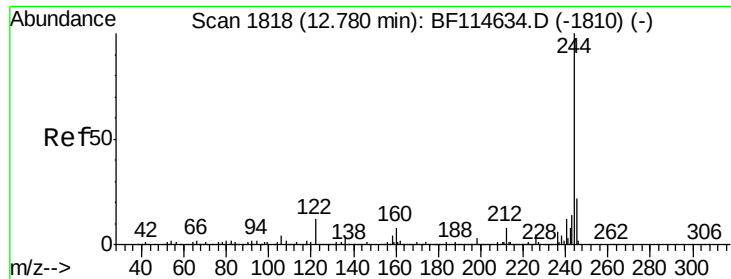
Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	202	Resp:	711660
Ion Ratio	Lower	Upper	
202	100		
200	21.1	18.6	28.0
203	17.3	15.4	23.2





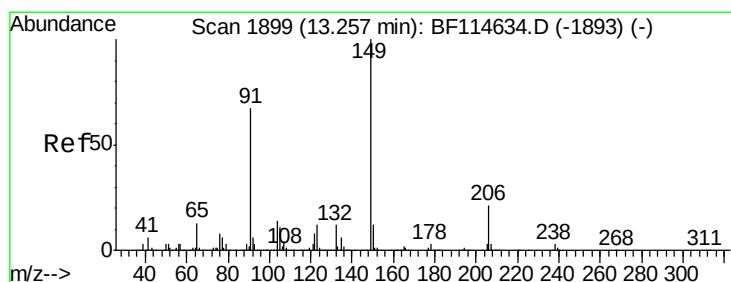
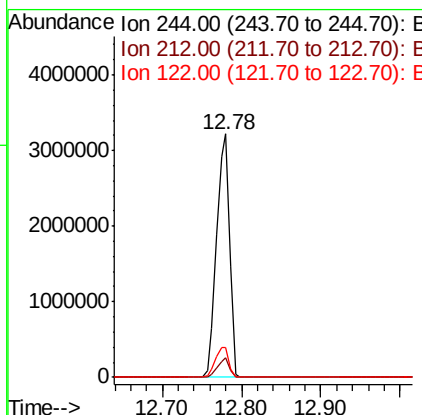
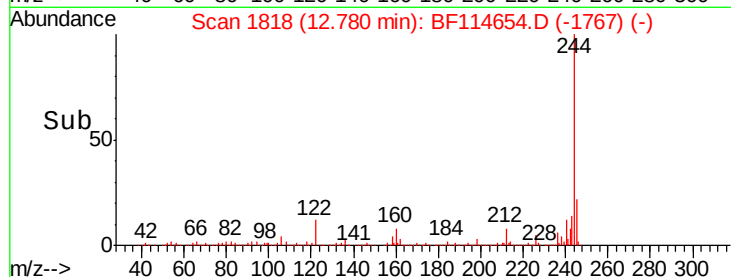
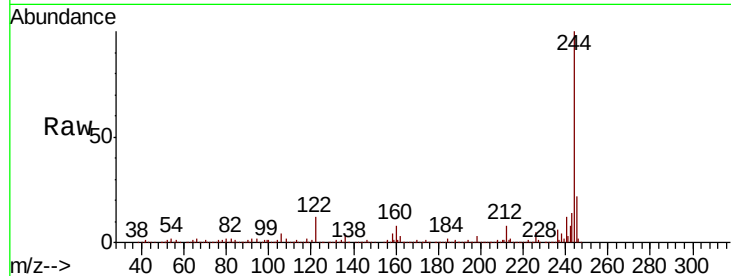
#79
 Terphenyl-d14
 Concen: 60.275 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.1	9.1
122	12.5	9.8	14.8

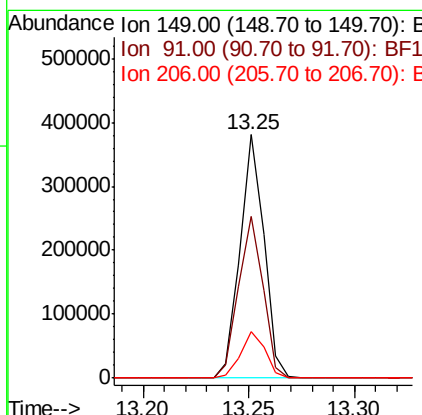
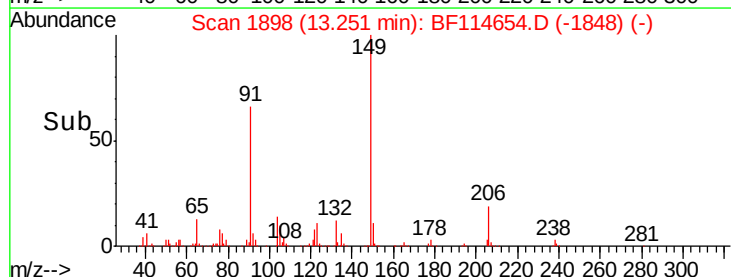
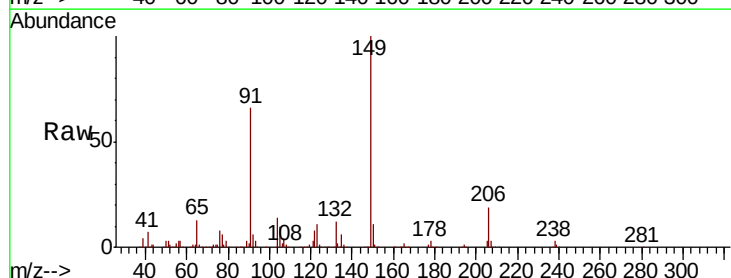
Manual Integrations
 APPROVED

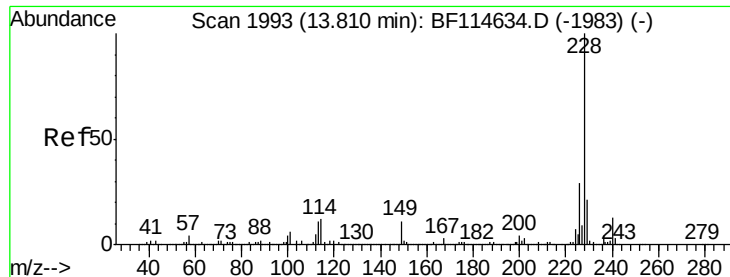
mohammad
 6/3/2019 8:46:56 AM



#80
 Butylbenzylphthalate
 Concen: 6.163 ng
 RT: 13.25 min Scan# 1898
 Delta R.T. -0.01 min
 Lab File: BF114654.D
 Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.2	53.8	80.8
206	19.1	16.9	25.3





#81

Benzo(a)anthracene

Concen: 7.462 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

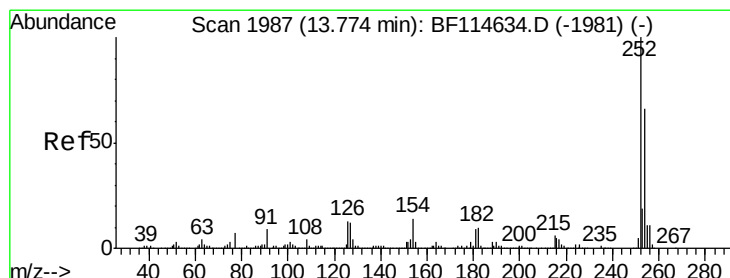
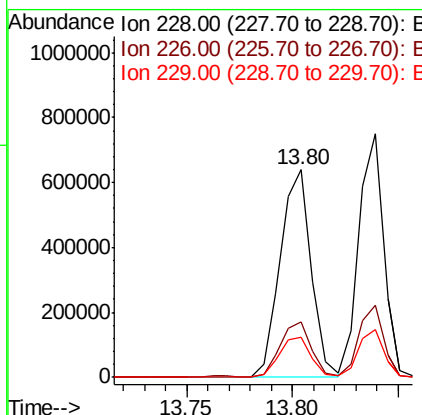
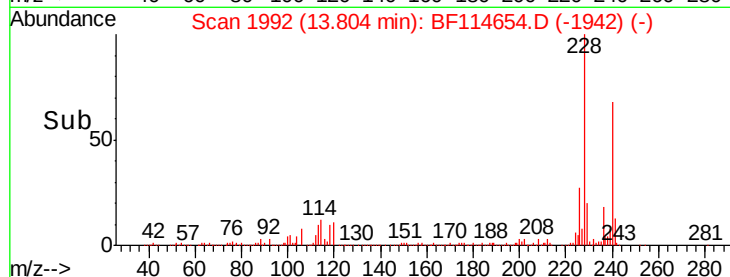
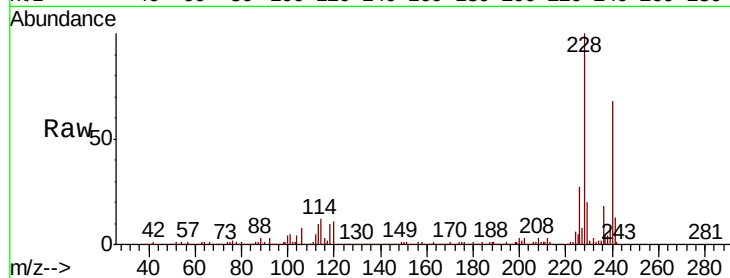
ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	228	Resp:	652482
Ion Ratio	Lower	Upper	
228	100		
226	26.8	23.0	34.6
229	19.5	17.0	25.4

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#82

3,3'-Dichlorobenzidine

Concen: 7.087 ng

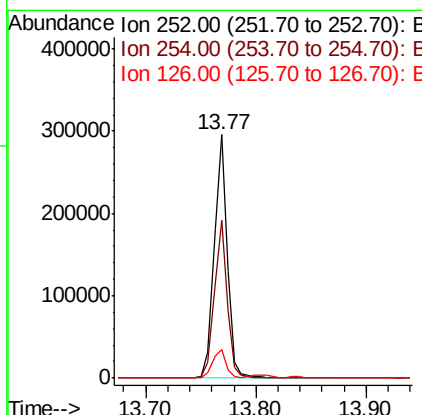
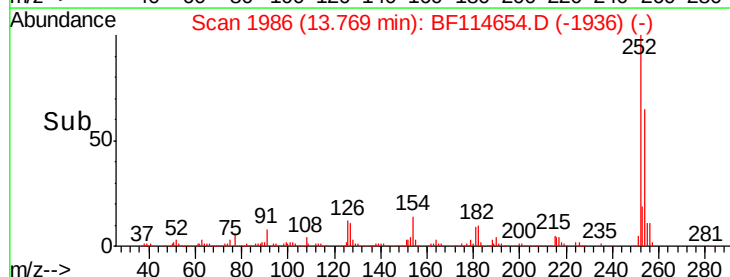
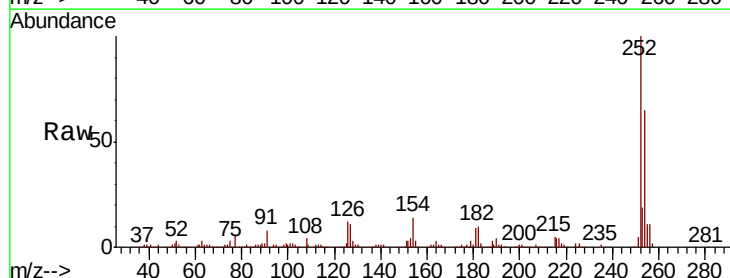
RT: 13.77 min Scan# 1986

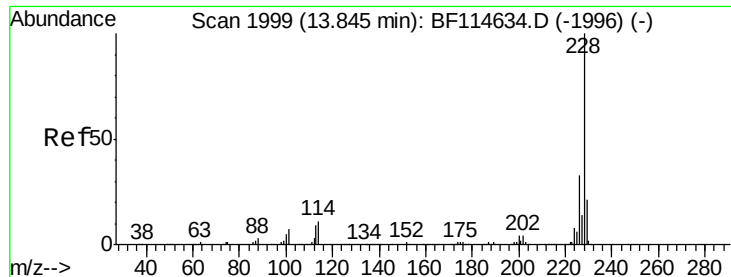
Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Tgt Ion:	252	Resp:	239320
Ion Ratio	Lower	Upper	
252	100		
254	64.9	53.1	79.7
126	11.5	10.2	15.2





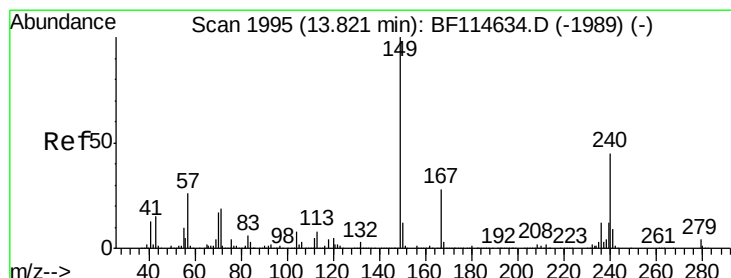
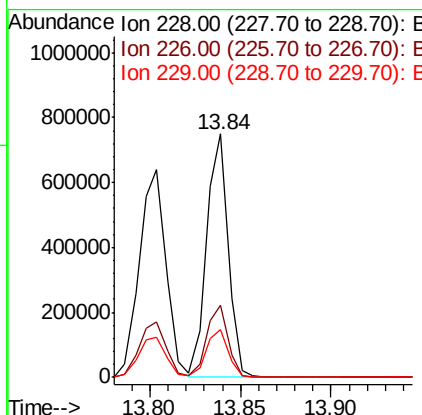
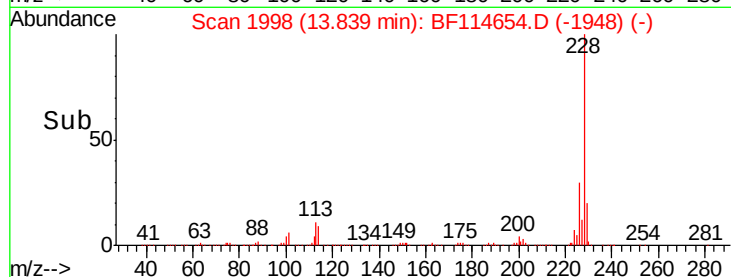
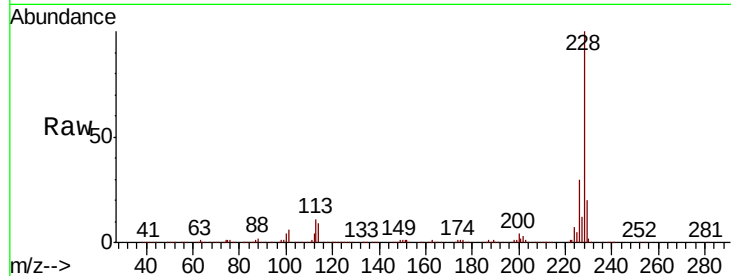
#83
Chrysene
Concen: 7.401 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:228	Resp:	618242
Ion Ratio	Lower	Upper
228 100		
226 29.6	26.4	39.6
229 19.8	17.1	25.7

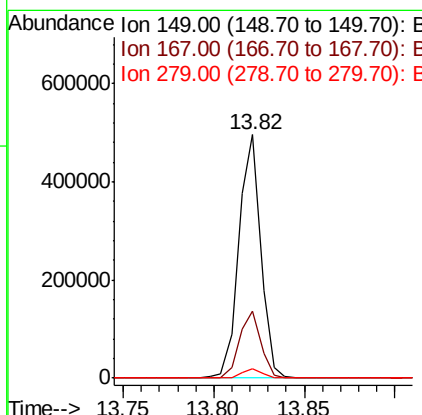
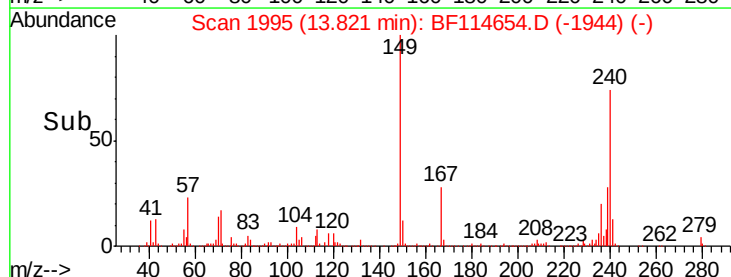
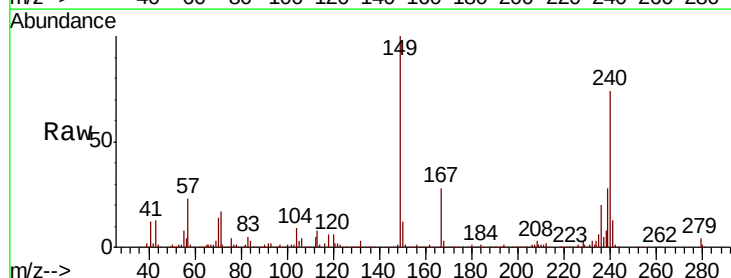
Manual Integrations
APPROVED

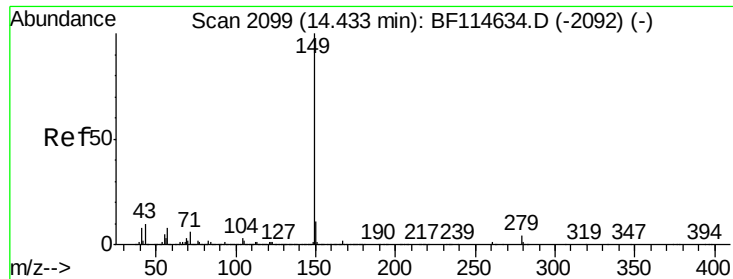
mohammad
6/3/2019 8:46:56 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.974 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion:149	Resp:	417048
Ion Ratio	Lower	Upper
149 100		
167 27.7	22.6	33.8
279 4.0	3.0	4.4





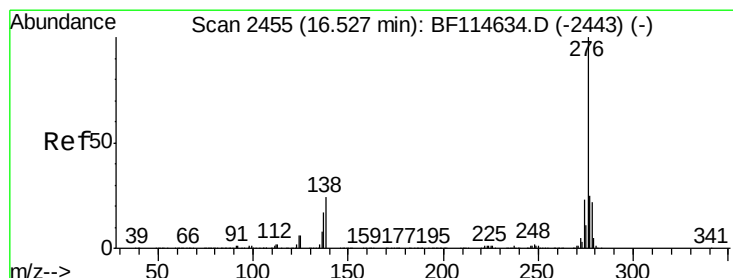
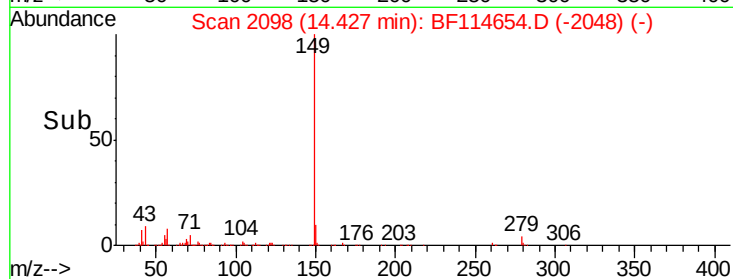
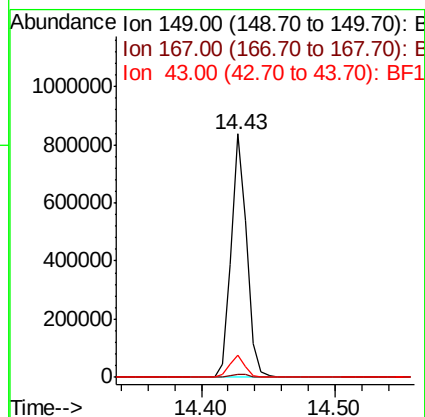
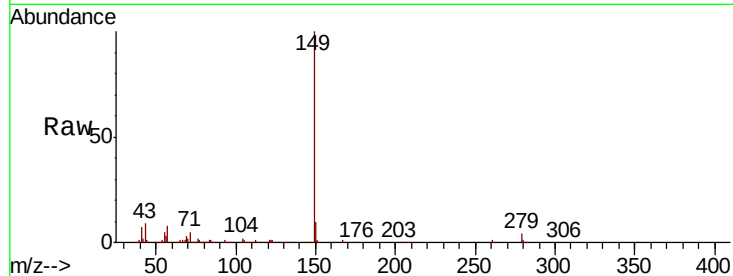
#85
Di-n-octyl phthalate
Concen: 6.668 ng
RT: 14.43 min Scan# 2098
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion:	149	Resp:	692817
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.3	1.9
43	9.1	8.0	12.0

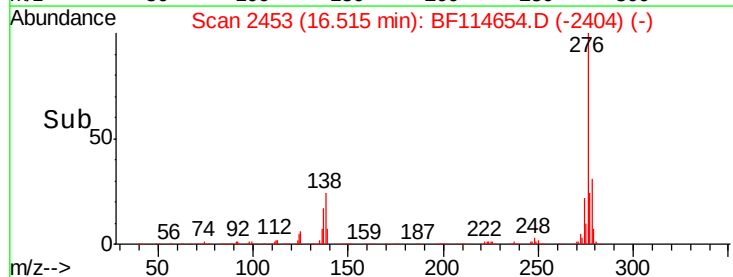
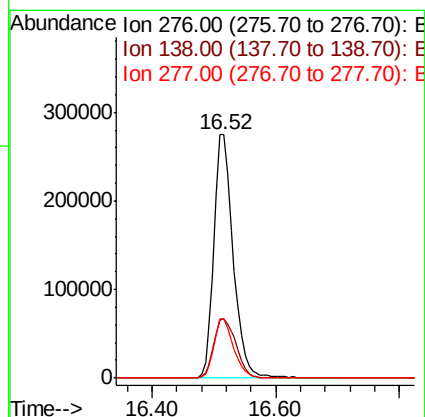
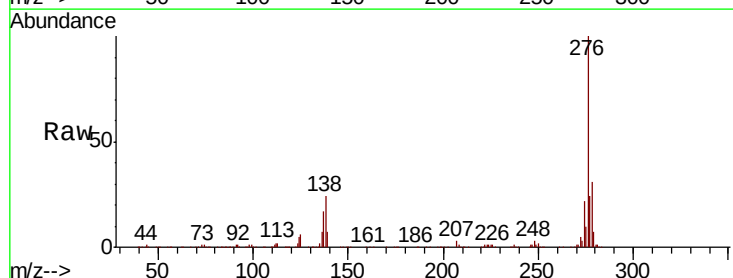
Manual Integrations
APPROVED

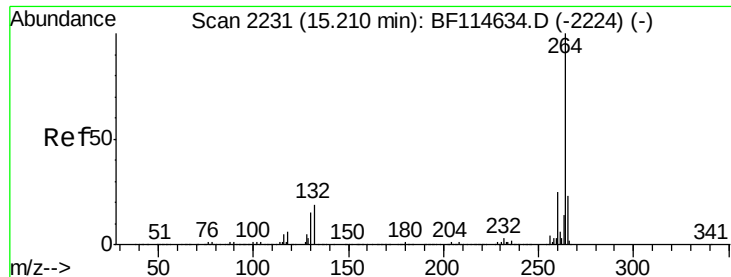
mohammad
6/3/2019 8:46:56 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.066 ng
RT: 16.52 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion:	276	Resp:	591206
Ion Ratio	Lower	Upper	
276	100		
138	28.2	23.0	34.6
277	24.7	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:264 Resp: 1207860

Ion Ratio Lower Upper

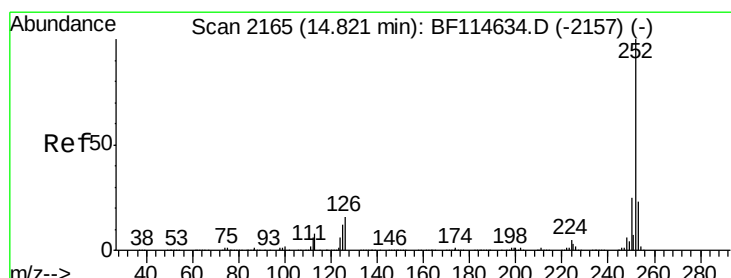
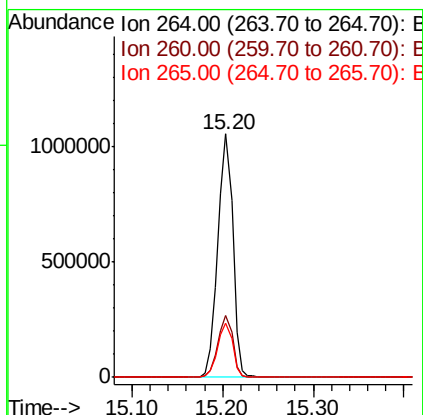
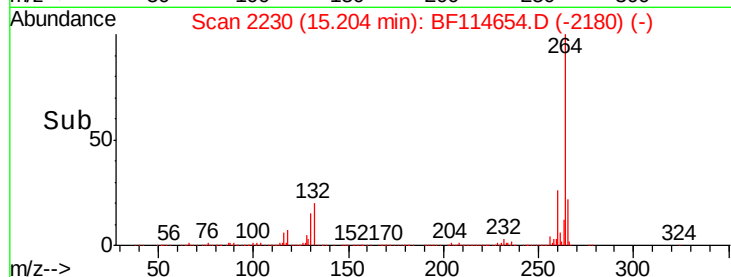
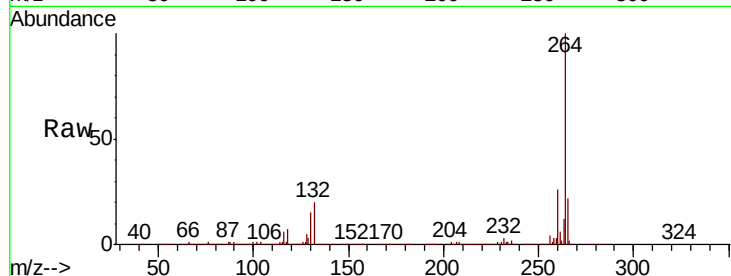
264 100

260 25.6 19.7 29.5

265 22.4 18.1 27.1

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM



#88

Benzo(b)fluoranthene

Concen: 7.655 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF114654.D

Acq: 30 May 2019 12:09

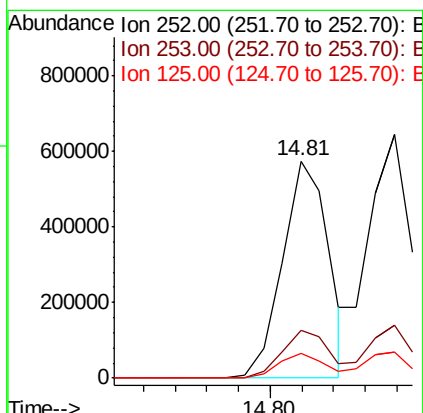
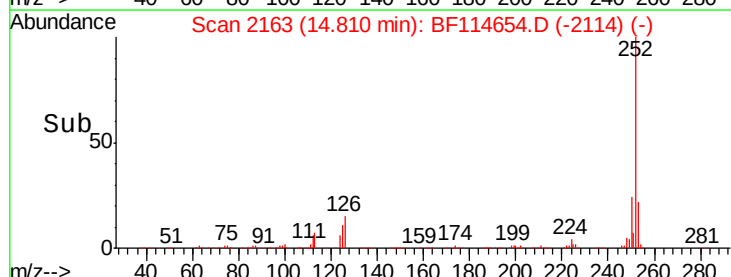
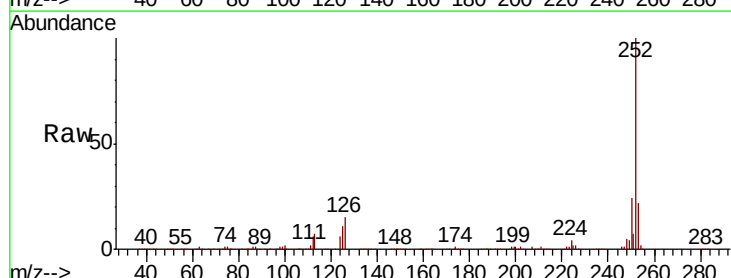
Tgt Ion:252 Resp: 582344

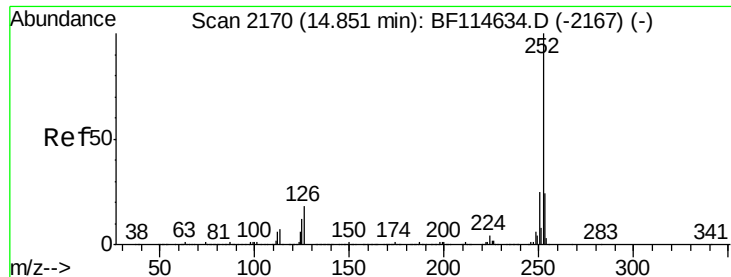
Ion Ratio Lower Upper

252 100

253 21.7 18.7 28.1

125 11.4 9.4 14.2





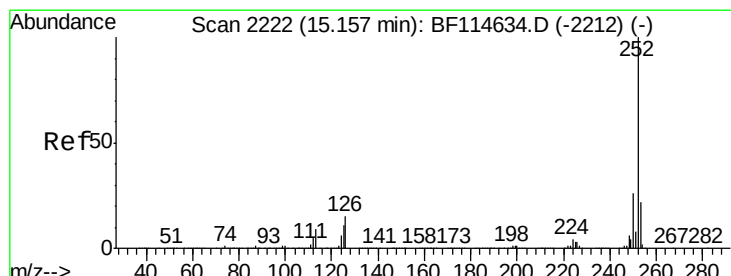
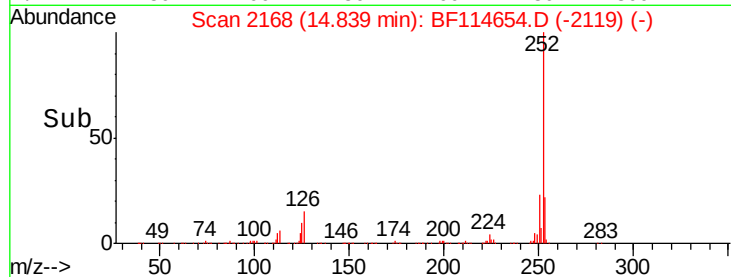
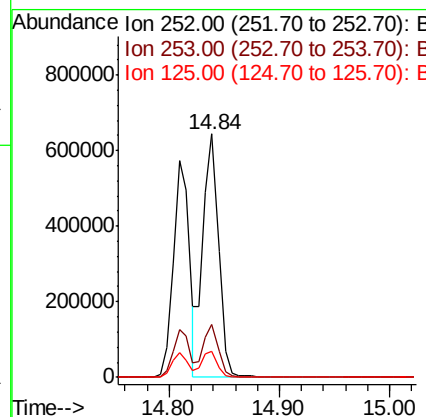
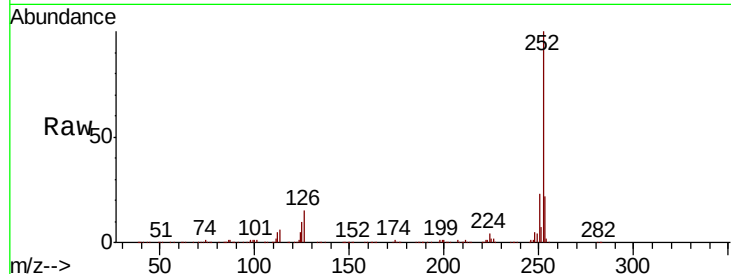
#89
Benzo(k)fluoranthene
Concen: 9.380 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.9	28.3
125	10.4	9.5	14.3

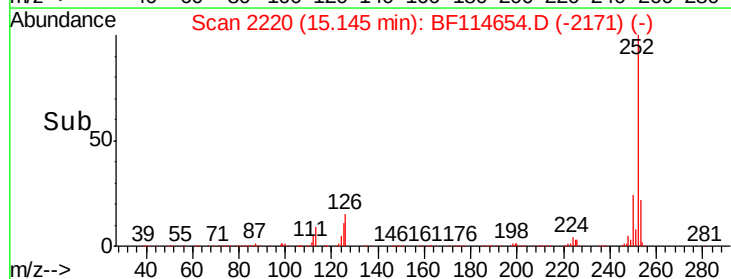
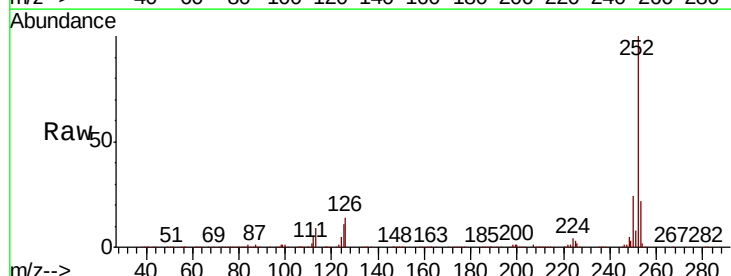
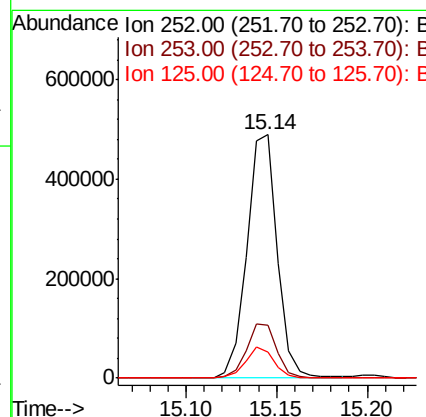
Manual Integrations
APPROVED

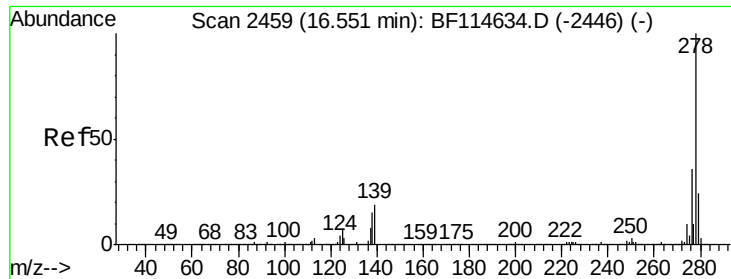
mohammad
6/3/2019 8:46:56 AM



#90
Benzo(a)pyrene
Concen: 8.480 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	10.9	9.2	13.8





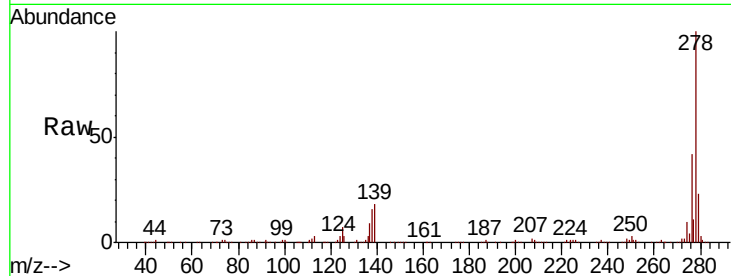
#91
Dibenzo(a,h)anthracene
Concen: 8.460 ng
RT: 16.53 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

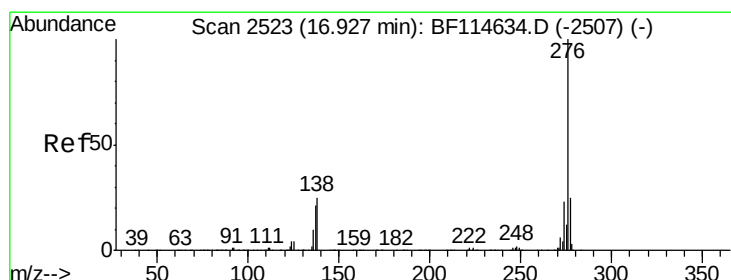
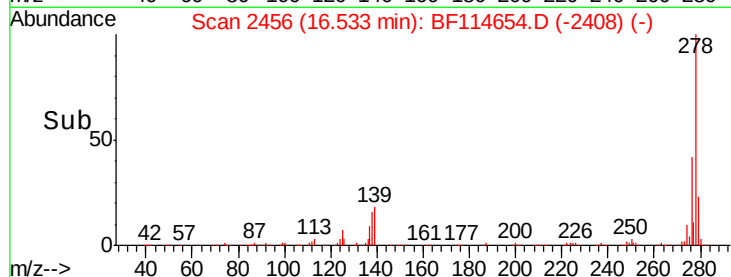
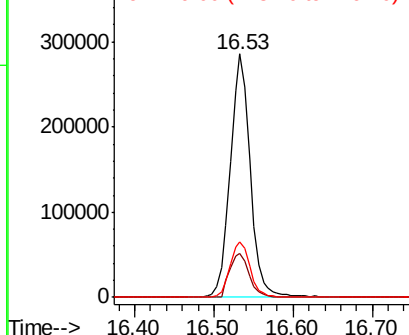
Tot Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.9	22.3
279	22.8	19.5	29.3

Manual Integrations
APPROVED

mohammad
6/3/2019 8:46:56 AM

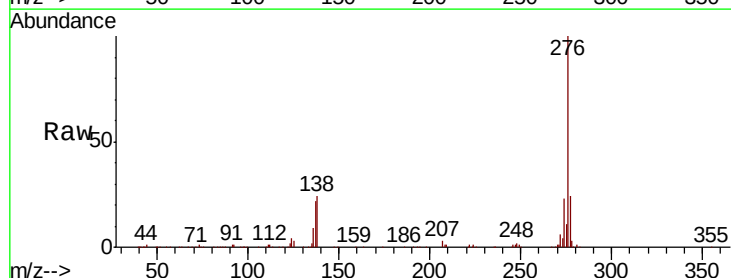


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

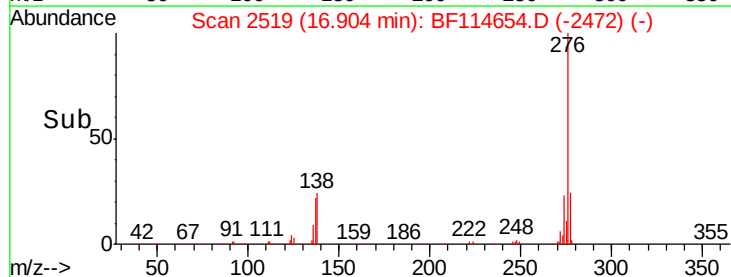
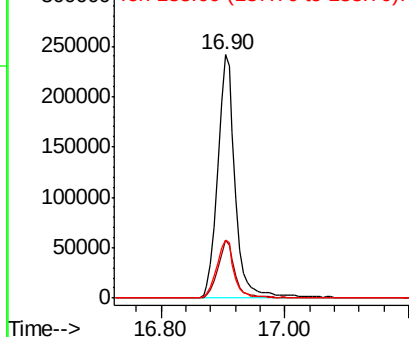


#92
Benzo(g,h,i)perylene
Concen: 8.305 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF114654.D
Acq: 30 May 2019 12:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.7	29.5
138	23.9	19.8	29.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114654.D
 Acq On : 30 May 2019 12:09
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:46:56 AM

Quant Time: May 30 14:40:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 14:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	424626	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1588667	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	798254	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1518798	20.00	ng	0.00
76) Chrysene-d12	13.82	240	1137790	20.00	ng	0.00
87) Perylene-d12	15.20	264	1207860	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	2661699	110.05	ng	0.00
7) Phenol-d6	6.33	99	3205835	110.00	ng	0.00
23) Nitrobenzene-d5	7.26	82	1960237	76.98	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	931538	122.47	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	3410546	70.98	ng	0.00
79) Terphenyl-d14	12.78	244	3647584	60.27	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.37	88	94211	8.117	ng	99
3) Pyridine	3.09	79	232829	6.893	ng	97
4) n-Nitrosodimethylamine	2.97	42	98750	7.224	ng	100
6) Aniline	6.36	93	342153	7.772	ng	96
8) 2-Chlorophenol	6.47	128	229328	8.211	ng	97
9) Benzaldehyde	6.23	77	188774	11.352	ng	100
10) Phenol	6.34	94	282585	8.026	ng	95
11) bis(2-Chloroethyl)ether	6.43	93	212238	7.881	ng	99
12) 1,3-Dichlorobenzene	6.63	146	256740	8.068	ng	98
13) 1,4-Dichlorobenzene	6.71	146	256959	8.049	ng	97
14) 1,2-Dichlorobenzene	6.86	146	241271	8.301	ng	99
15) Benzyl Alcohol	6.83	79	190517m	8.310	ng	
16) 2,2'-oxybis(1-Chloropropan	6.97	45	303343	7.344	ng	99
17) 2-Methylphenol	6.95	107	181183	7.670	ng	98
18) Hexachloroethane	7.21	117	89077	7.370	ng	91
19) n-Nitroso-di-n-propylamine	7.10	70	155681	7.739	ng	96
20) 3+4-Methylphenols	7.10	107	232268	8.360	ng	# 88
22) Acetophenone	7.10	105	317648	9.384	ng	98
24) Nitrobenzene	7.27	77	236096	8.728	ng	99
25) Isophorone	7.51	82	418091	8.181	ng	100
26) 2-Nitrophenol	7.59	139	100827	7.658	ng	96
27) 2,4-Dimethylphenol	7.63	122	200036	9.135	ng	98
28) bis(2-Chloroethoxy)methane	7.73	93	268536	8.255	ng	98
29) 2,4-Dichlorophenol	7.83	162	189694	8.511	ng	97
30) 1,2,4-Trichlorobenzene	7.92	180	219940	8.661	ng	99
31) Naphthalene	7.99	128	688643	9.411	ng	97
32) Benzoic acid	7.69	122	88427	6.217	ng	98
33) 4-Chloroaniline	8.04	127	288054	8.262	ng	97
34) Hexachlorobutadiene	8.12	225	116920	8.288	ng	96
35) Caprolactam	8.37	113	57688	7.669	ng	98
36) 4-Chloro-3-methylphenol	8.52	107	188271	8.423	ng	100
37) 2-Methylnaphthalene	8.68	142	471612	9.700	ng	99
38) 1-Methylnaphthalene	8.78	142	442388	9.603	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.85	216	201038	9.457	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114654.D
 Acq On : 30 May 2019 12:09
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:46:56 AM

Quant Time: May 30 14:40:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 14:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	124029	8.829	ng	98
43) 2,4,6-Trichlorophenol	8.96	196	132436	7.918	ng	96
44) 2,4,5-Trichlorophenol	8.99	196	140302	8.406	ng	97
46) 1,1'-Biphenyl	9.15	154	565020	9.535	ng	96
47) 2-Chloronaphthalene	9.17	162	433898	8.927	ng	96
48) 2-Nitroaniline	9.26	65	107471	7.165	ng	91
49) Acenaphthylene	9.57	152	694449	9.248	ng	96
50) Dimethylphthalate	9.45	163	485117	8.721	ng	98
51) 2,6-Dinitrotoluene	9.50	165	104273	8.068	ng	97
52) Acenaphthene	9.75	154	411430	8.934	ng	98
53) 3-Nitroaniline	9.66	138	118203	7.472	ng	93
54) 2,4-Dinitrophenol	9.76	184	25249	4.953	ng	# 53
55) Dibenzofuran	9.92	168	611013	9.321	ng	94
56) 4-Nitrophenol	9.81	139	85551	7.298	ng	90
57) 2,4-Dinitrotoluene	9.89	165	127501	7.686	ng	99
58) Fluorene	10.26	166	464571	10.496	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.04	232	113468	8.305	ng	97
60) Diethylphthalate	10.15	149	485331	8.543	ng	98
61) 4-Chlorophenyl-phenylether	10.26	204	223694	10.101	ng	93
62) 4-Nitroaniline	10.26	138	110070	7.141	ng	96
63) Azobenzene	10.42	77	461717	8.852	ng	97
65) 4,6-Dinitro-2-methylphenol	10.30	198	39971	5.935	ng	92
66) n-Nitrosodiphenylamine	10.37	169	409237	9.120	ng	98
67) 4-Bromophenyl-phenylether	10.75	248	139030	8.536	ng	98
68) Hexachlorobenzene	10.81	284	152128	8.624	ng	98
69) Atrazine	10.90	200	123257	8.718	ng	99
70) Pentachlorophenol	11.00	266	73915	7.269	ng	98
71) Phenanthrene	11.22	178	698929	9.021	ng	96
72) Anthracene	11.26	178	708150	9.031	ng	98
73) Carbazole	11.42	167	626847	9.096	ng	97
74) Di-n-butylphthalate	11.77	149	744377	8.890	ng	# 96
75) Fluoranthene	12.39	202	700677	8.734	ng	97
77) Benzidine	12.52	184	376078	8.027	ng	98
78) Pyrene	12.62	202	711660	7.394	ng	96
80) Butylbenzylphthalate	13.25	149	298089	6.163	ng	98
81) Benzo(a)anthracene	13.80	228	652482	7.462	ng	96
82) 3,3'-Dichlorobenzidine	13.77	252	239320	7.087	ng	98
83) Chrysene	13.84	228	618242	7.401	ng	95
84) Bis(2-ethylhexyl)phthalate	13.82	149	417048	6.974	ng	99
85) Di-n-octyl phthalate	14.43	149	692817	6.668	ng	98
86) Indeno(1,2,3-cd)pyrene	16.52	276	591206	7.066	ng	99
88) Benzo(b)fluoranthene	14.81	252	582344	7.655	ng	97
89) Benzo(k)fluoranthene	14.84	252	620219	9.380	ng	96
90) Benzo(a)pyrene	15.14	252	566764	8.480	ng	98
91) Dibenzo(a,h)anthracene	16.53	278	499645	8.460	ng	97
92) Benzo(g,h,i)perylene	16.90	276	476002	8.305	ng	98

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