

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
 Data File : BF094542.D
 Acq On : 20 Apr 2017 14:05
 Operator : SJ/MA
 Sample : I2744-04MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

Manual Integrations
 APPROVED

mohammad
 4/21/2017 11:36:01 AM

Quant Time: Apr 20 17:58:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	116899	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	472102	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	219337	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	400769	20.00	ng	0.00
75) Chrysene-d12	14.47	240	318494	20.00	ng	0.00
86) Perylene-d12	16.08	264	250767	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.32	112	979421	139.00	ng	0.02
7) Phenol-d6	5.40	99	1211598	145.86	ng	0.00
23) Nitrobenzene-d5	6.42	82	771657	100.93	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	273407	159.36	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1367252	91.72	ng	0.00
78) Terphenyl-d14	13.19	244	1287353	108.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.12	88	137755	33.62	ng	96
3) Pyridine	2.65	79	359194	40.11	ng	99
4) n-Nitrosodimethylamine	2.59	42	171236	46.21	ng	90
6) Aniline	5.40	93	348604	31.58	ng	# 81
8) 2-Chlorophenol	5.54	128	388555	48.46	ng	97
9) Benzaldehyde	5.27	77	73646	11.65	ng	97
10) Phenol	5.42	94	512036	50.18	ng	90
11) bis(2-Chloroethyl)ether	5.48	93	357472	47.95	ng	97
12) 1,3-Dichlorobenzene	5.70	146	406583	45.77	ng	99
13) 1,4-Dichlorobenzene	5.79	146	413436	46.26	ng	97
14) 1,2-Dichlorobenzene	5.96	146	384056	46.65	ng	98
15) Benzyl Alcohol	5.95	79	300609	48.78	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.10	45	472066	48.30	ng	72
17) 2-Methylphenol	6.09	107	308962	48.93	ng	# 94
18) Hexachloroethane	6.35	117	141730	46.26	ng	# 86
19) n-Nitroso-di-n-propylamine	6.26	70	276569	50.25	ng	97
20) 3+4-Methylphenols	6.28	107	434460	50.63	ng	# 62
22) Acetophenone	6.25	105	554445	48.30	ng	# 85
24) Nitrobenzene	6.44	77	392340	48.73	ng	95
25) Isophorone	6.73	82	723295	51.03	ng	95
26) 2-Nitrophenol	6.81	139	221604	51.23	ng	95
27) 2,4-Dimethylphenol	6.89	122	343228	48.85	ng	99
28) bis(2-Chloroethoxy)methane	6.99	93	464569	50.67	ng	99
29) 2,4-Dichlorophenol	7.11	162	338236	51.75	ng	97
30) 1,2,4-Trichlorobenzene	7.20	180	322485	47.72	ng	99
31) Naphthalene	7.29	128	1104298	48.66	ng	100
32) Benzoic acid	7.01	122	19811	5.33	ng	94
33) 4-Chloroaniline	7.37	127	90848	9.62	ng	# 91
34) Hexachlorobutadiene	7.44	225	162755	48.31	ng	97
35) Caprolactam	7.83	113	110563m	53.85	ng	
36) 4-Chloro-3-methylphenol	8.00	107	354613	51.77	ng	89
37) 2-Methylnaphthalene	8.13	142	763961	49.20	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.34	216	296521	47.48	ng	99
40) Hexachlorocyclopentadiene	8.32	237	277356	109.77	ng	98

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042017\
 Data File : BF094542.D
 Acq On : 20 Apr 2017 14:05
 Operator : SJ/MA
 Sample : I2744-04MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

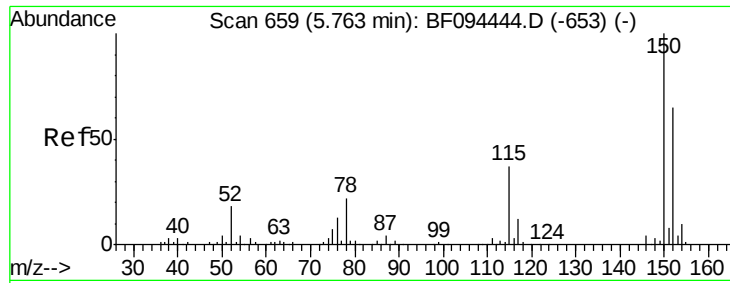
Manual Integrations
 APPROVED

mohammad
 4/21/2017 11:36:01 AM

Quant Time: Apr 20 17:58:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.49	196	227409	51.85	nq	97
43) 2,4,5-Trichlorophenol	8.55	196	228805	50.80	nq	92
45) 1,1'-Biphenyl	8.70	154	819574	45.73	nq	97
46) 2-Chloronaphthalene	8.72	162	682326	47.88	nq	96
47) 2-Nitroaniline	8.86	65	207013	50.50	nq	# 79
48) Acenaphthylene	9.22	152	1077648	48.51	nq	99
49) Dimethylphthalate	9.10	163	1004335	61.44	nq	99
50) 2,6-Dinitrotoluene	9.17	165	190943	52.04	nq	91
51) Acenaphthene	9.44	154	653918	49.15	nq	99
52) 3-Nitroaniline	9.37	138	106936	25.19	nq	88
53) 2,4-Dinitrophenol	9.51	184	118977	61.22	nq	# 68
54) Dibenzofuran	9.65	168	962476	49.77	nq	99
55) 4-Nitrophenol	9.63	139	359394m	119.84	nq	
56) 2,4-Dinitrotoluene	9.66	165	249830	55.49	nq	# 80
57) Fluorene	10.07	166	758685	50.38	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.82	232	177424	54.96	nq	98
59) Diethylphthalate	9.97	149	839166	54.41	nq	98
60) 4-Chlorophenyl-phenylether	10.08	204	331393	52.88	nq	96
61) 4-Nitroaniline	10.12	138	202532	46.93	nq	97
62) Azobenzene	10.28	77	821222	54.84	nq	94
64) 4,6-Dinitro-2-methylphenol	10.17	198	132168	50.33	nq	# 72
65) n-Nitrosodiphenylamine	10.23	169	729004	52.30	nq	98
66) 4-Bromophenyl-phenylether	10.68	248	210541	52.91	nq	98
67) Hexachlorobenzene	10.75	284	207838	51.82	nq	# 84
68) Atrazine	10.91	200	215840	51.76	nq	98
69) Pentachlorophenol	11.00	266	192139	120.66	nq	97
70) Phenanthrene	11.25	178	1098264	48.66	nq	98
71) Anthracene	11.31	178	1141863	48.91	nq	98
72) Carbazole	11.52	167	1107615	50.55	nq	99
73) Di-n-butylphthalate	11.97	149	1343637	55.69	nq	98
74) Fluoranthene	12.71	202	1174502	50.21	nq	100
76) Benzidine	12.88	184	329213	25.53	nq	# 92
77) Pyrene	12.98	202	1155690	51.94	nq	100
79) Butylbenzylphthalate	13.81	149	571883	58.64	nq	89
80) Benzo(a)anthracene	14.45	228	936627	50.60	nq	100
81) 3,3'-Dichlorobenzidine	14.43	252	203564	31.06	nq	# 96
82) Chrysene	14.50	228	851302	50.32	nq	99
83) Bis(2-ethylhexyl)phthalate	14.52	149	829753	63.37	nq	# 98
84) Di-n-octyl phthalate	15.27	149	1233289	56.15	nq	97
85) Indeno(1,2,3-cd)pyrene	17.37	276	782314	48.60	nq	99
87) Benzo(b)fluoranthene	15.69	252	741620	48.35	nq	98
88) Benzo(k)fluoranthene	15.72	252	734097	50.57	nq	96
89) Benzo(a)pyrene	16.03	252	714533	50.07	nq	97
90) Dibenzo(a,h)anthracene	17.38	278	639779	53.99	nq	98
91) Benzo(g,h,i)perylene	17.74	276	661008	54.79	nq	98

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



#1

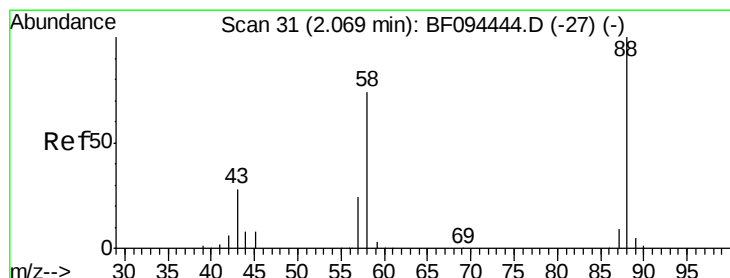
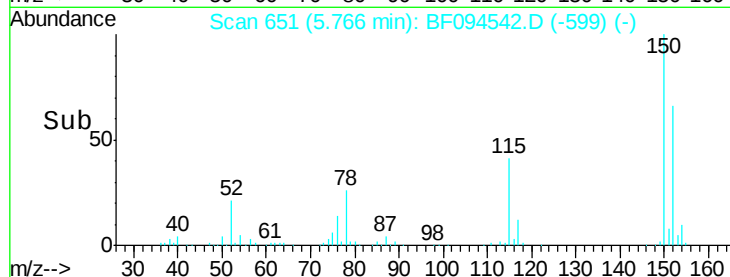
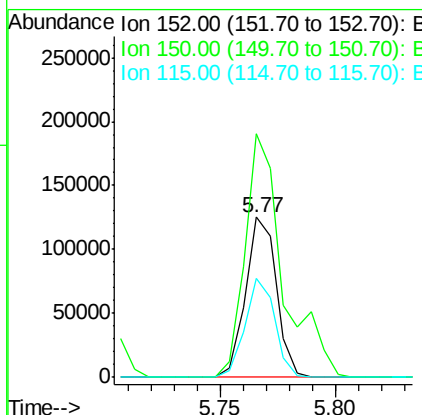
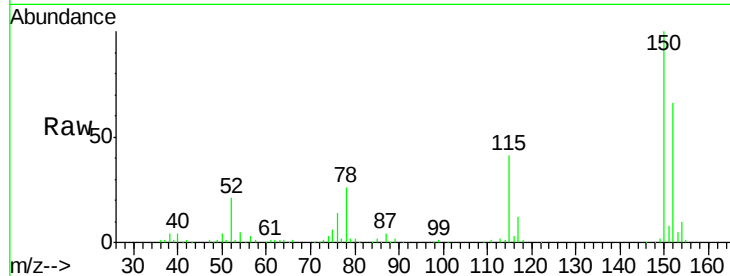
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	126.2	189.2
115	61.6	52.2	78.2

Manual Integrations
APPROVED

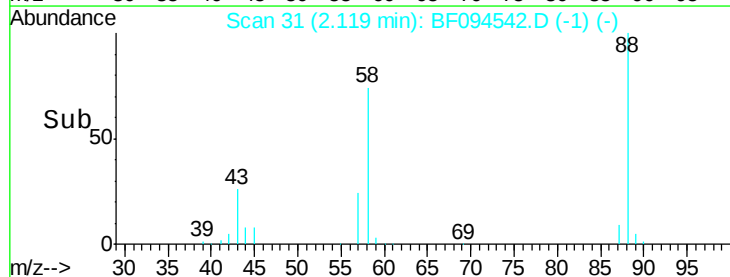
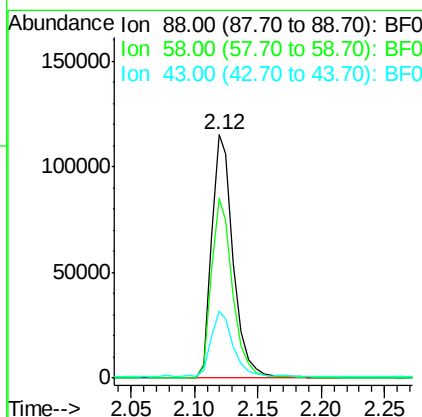
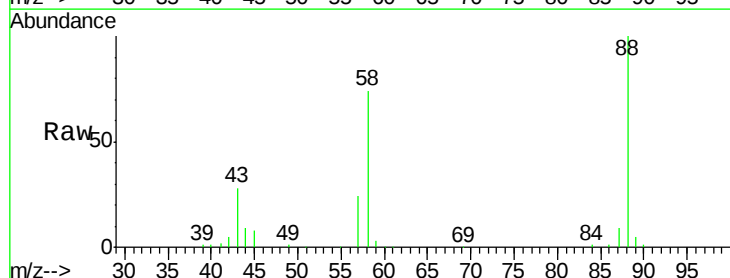
mohammad
4/21/2017 11:36:01 AM

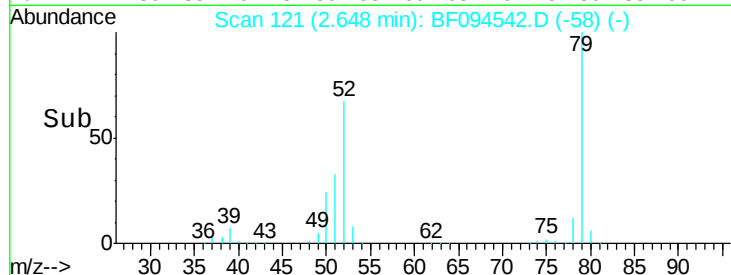
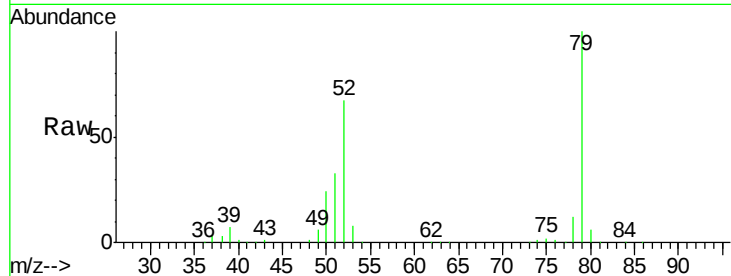
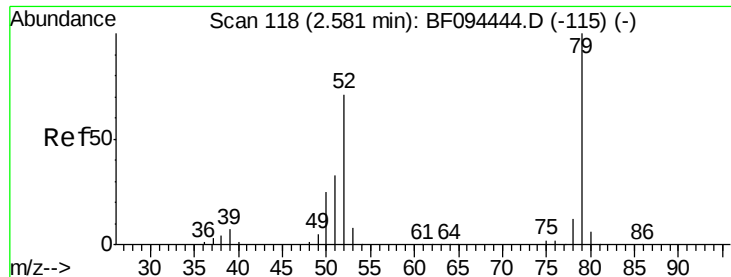


#2

1,4-Dioxane
Concen: 33.62 ng
RT: 2.12 min Scan# 31
Delta R.T. 0.05 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.8	61.4	92.0
43	27.8	23.4	35.0





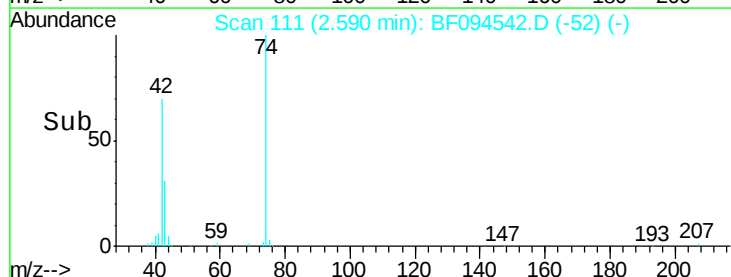
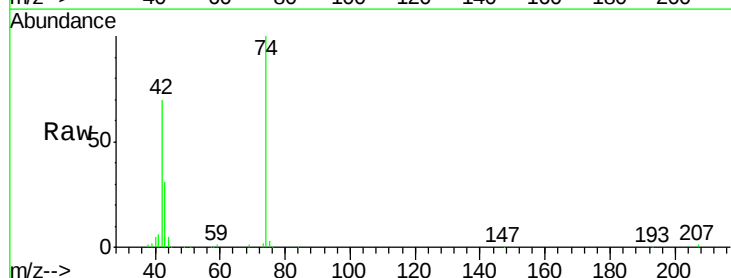
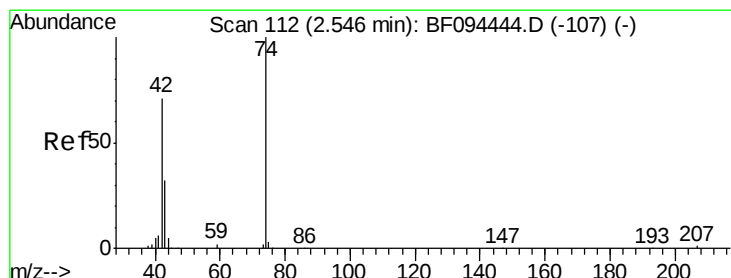
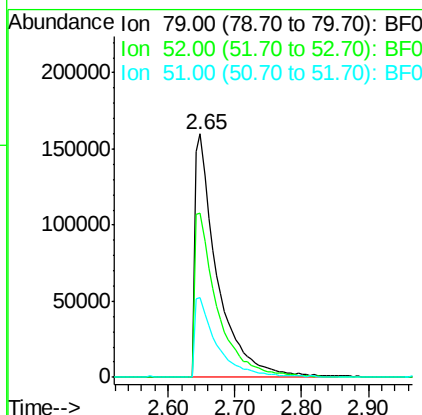
#3
Pvridine
Concen: 40.11 ng
RT: 2.65 min Scan# 121
Delta R.T. 0.07 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		359194		
52	67.4	54.8	82.2		
51	33.0	27.0	40.4		

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

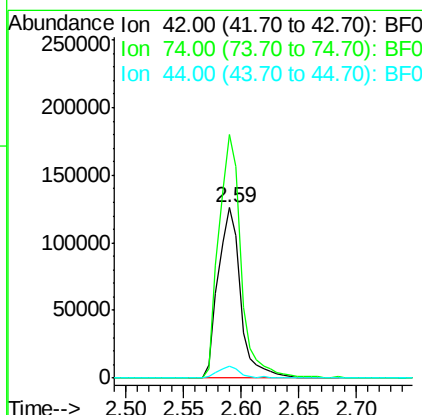
Manual Integrations
APPROVED

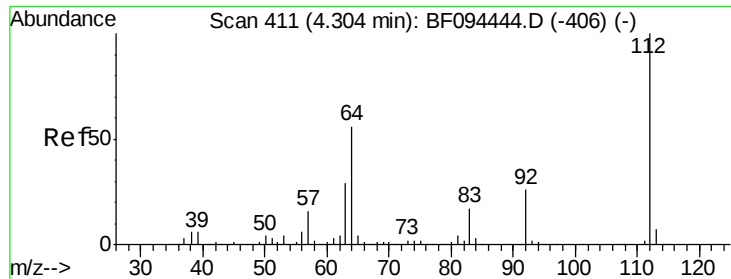
mohammad
4/21/2017 11:36:01 AM



#4
n-Nitrosodimethylamine
Concen: 46.21 ng
RT: 2.59 min Scan# 111
Delta R.T. 0.04 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		171236		
74	142.7	103.9	155.9		
44	6.9	5.7	8.5		





#5

2-Fluorophenol

Concen: 139.00 ng

RT: 4.32 min Scan# 406

Delta R.T. 0.02 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

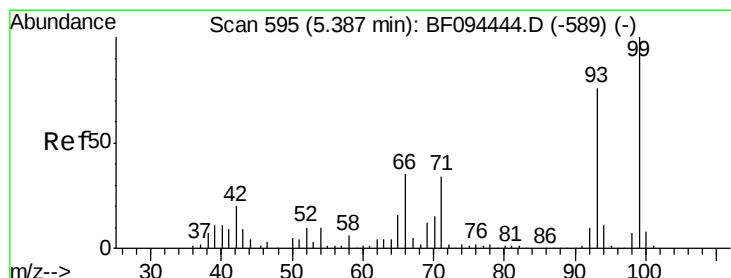
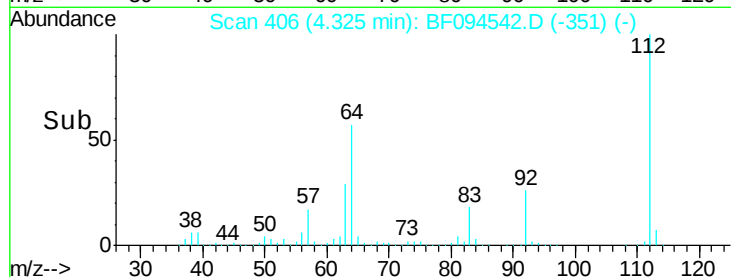
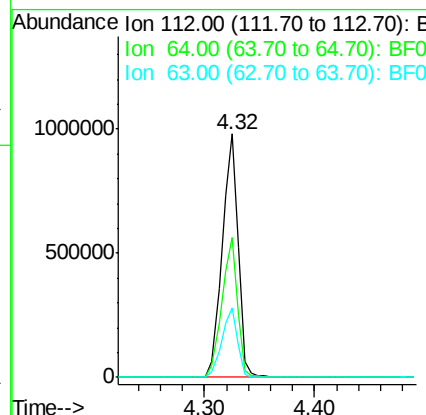
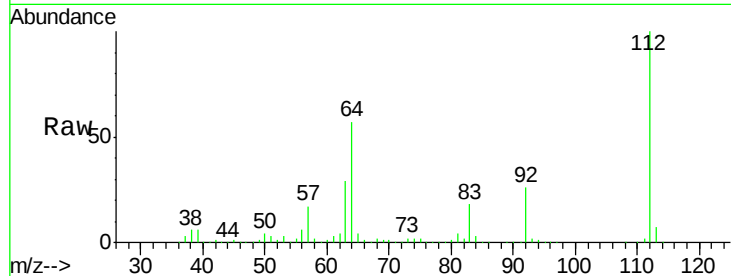
ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		979421		
64	57.3	46.0	69.0		
63	28.8	23.4	35.0		

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



#6

Aniline

Concen: 31.58 ng

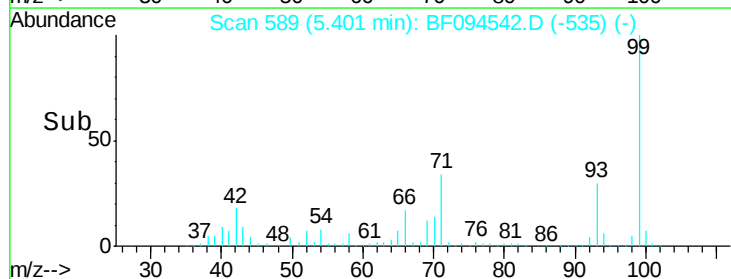
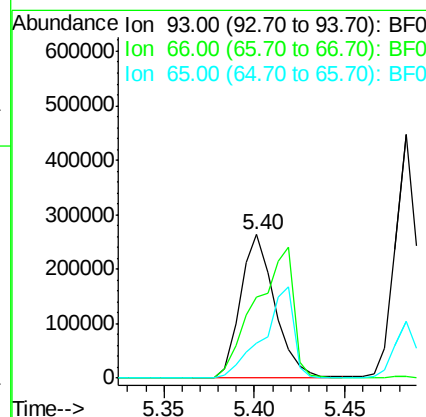
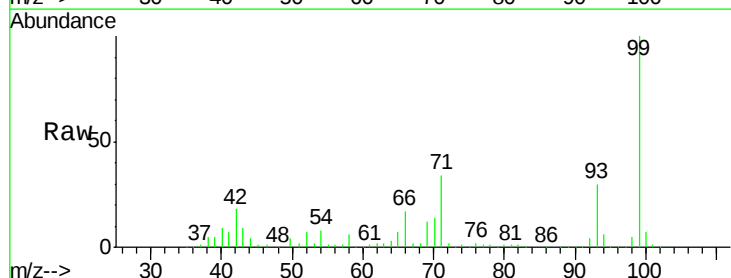
RT: 5.40 min Scan# 589

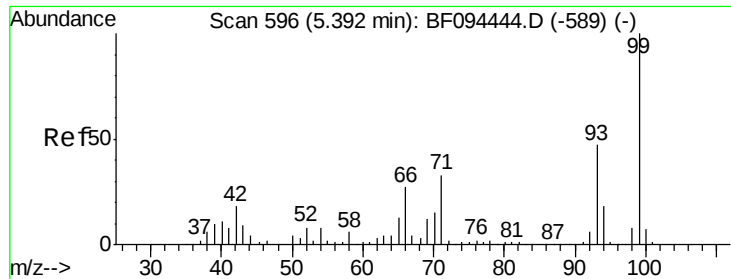
Delta R.T. 0.01 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		348604		
66	56.2	32.9	49.3#		
65	24.5	16.0	24.0#		





#7

Phenol-d6

Concen: 145.86 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion: 99 Resp: 1211598

Ion Ratio Lower Upper

99 100

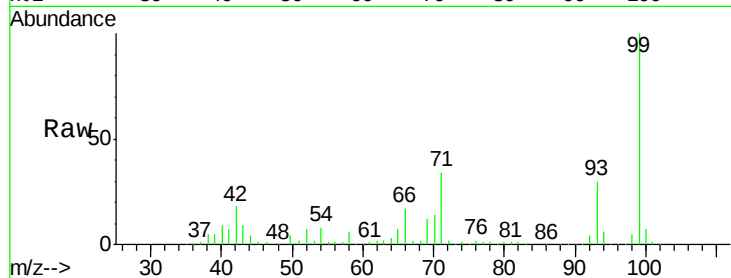
42 18.1 13.5 20.3

71 34.0 24.5 36.7

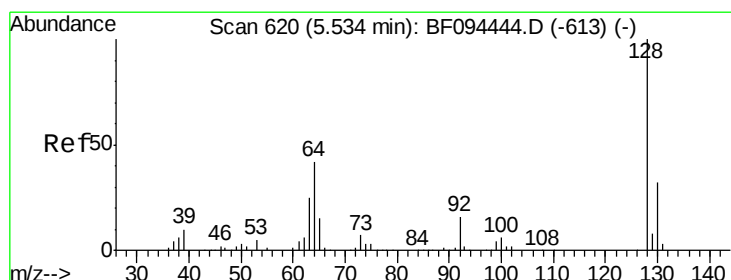
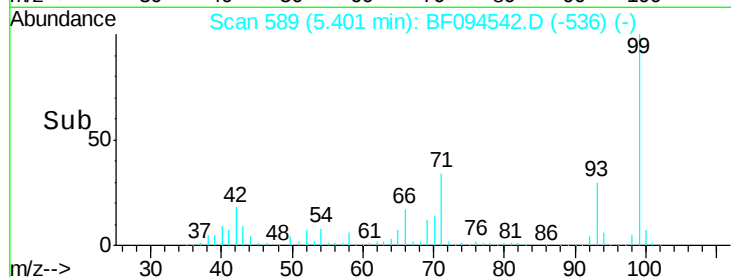
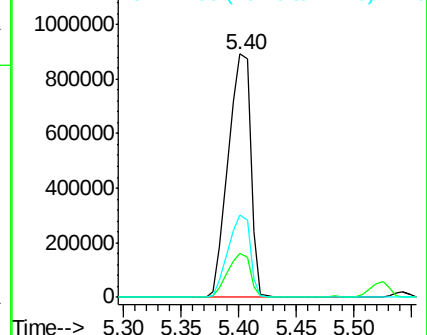
Manual Integrations
APPROVED

mohammad

4/21/2017 11:36:01 AM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 48.46 ng

RT: 5.54 min Scan# 613

Delta R.T. 0.01 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

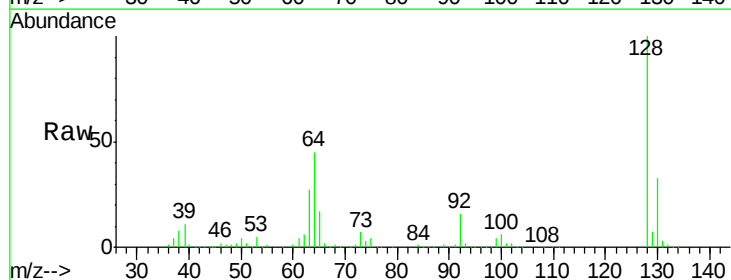
Tgt Ion: 128 Resp: 388555

Ion Ratio Lower Upper

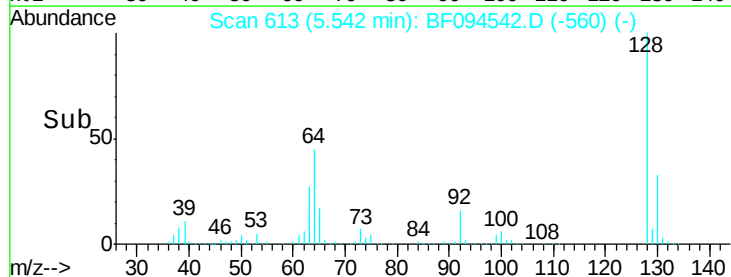
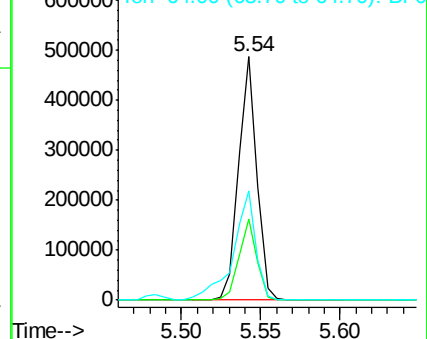
128 100

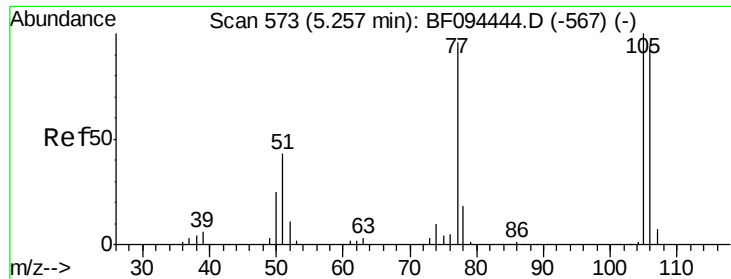
130 33.3 12.9 52.9

64 44.9 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 11.65 ng

RT: 5.27 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

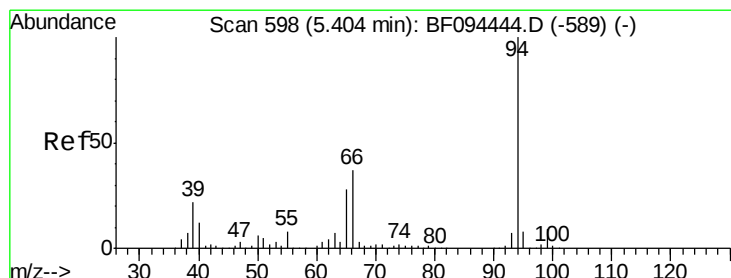
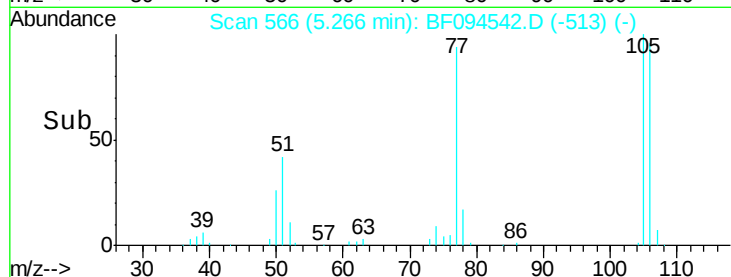
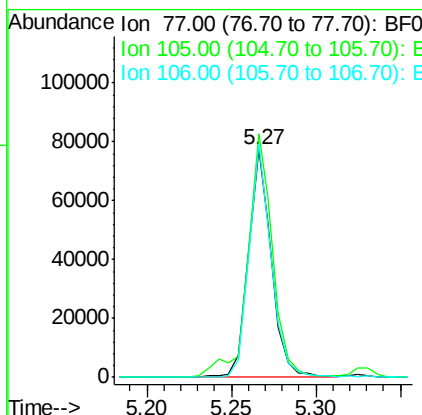
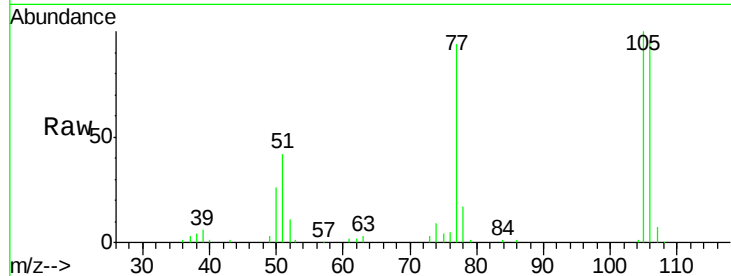
ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion:	77	Resp:	73646
Ion	Ratio	Lower	Upper
77	100		
105	106.8	83.8	123.8
106	102.3	79.1	119.1

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



#10

Phenol

Concen: 50.18 ng

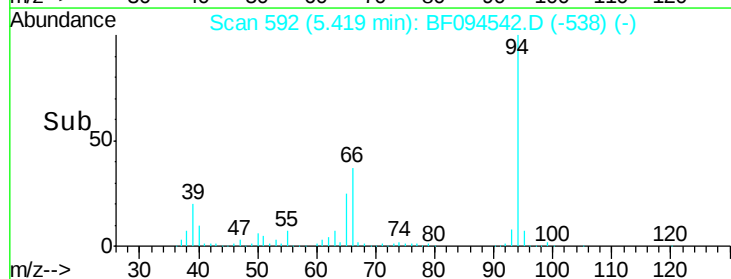
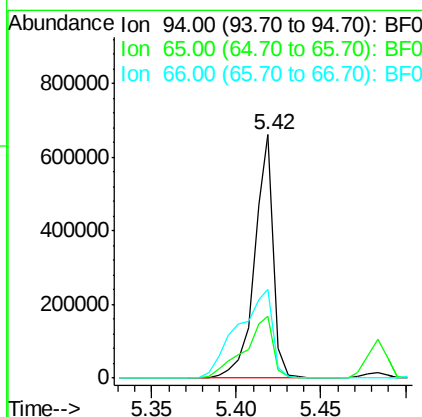
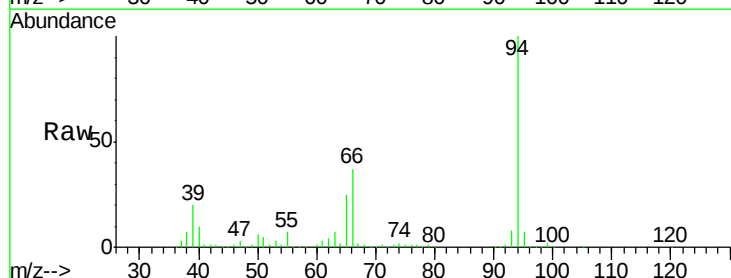
RT: 5.42 min Scan# 592

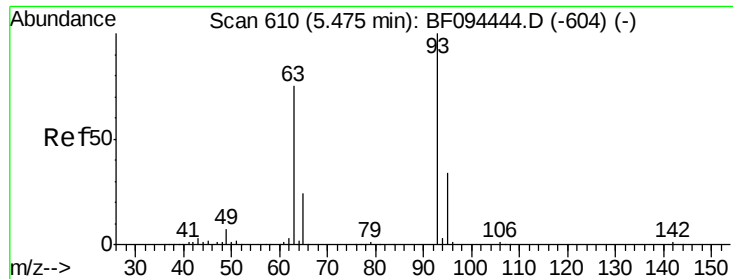
Delta R.T. 0.01 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion:	94	Resp:	512036
Ion	Ratio	Lower	Upper
94	100		
65	25.4	9.9	49.9
66	36.5	23.1	63.1





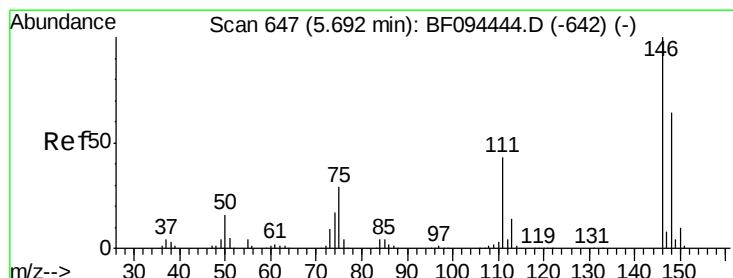
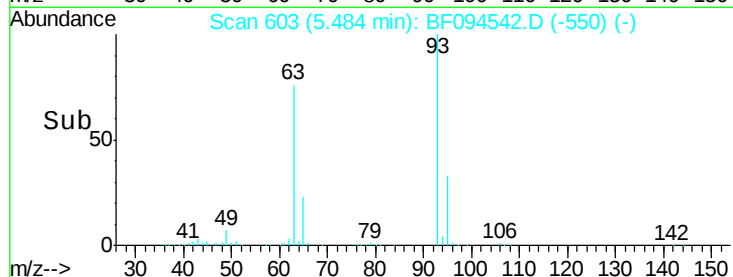
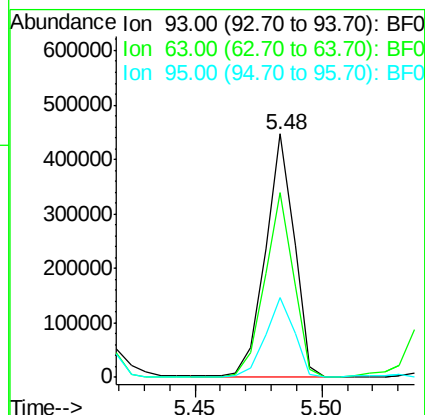
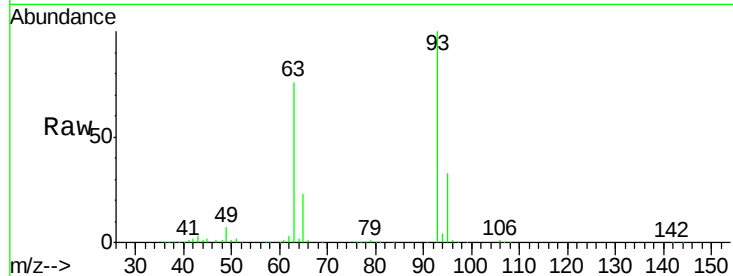
#11
bis(2-Chloroethyl)ether
Concen: 47.95 ng
RT: 5.48 min Scan# 603
Delta R.T. 0.01 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	76.0	59.2	99.2
95	32.9	12.8	52.8

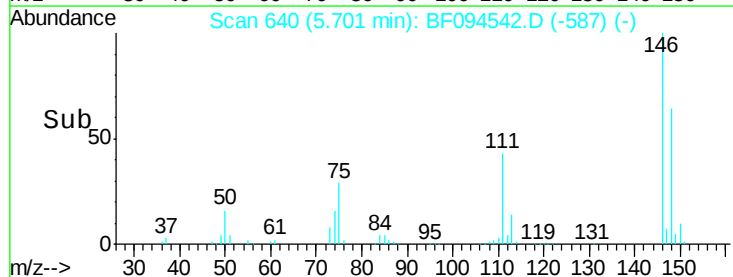
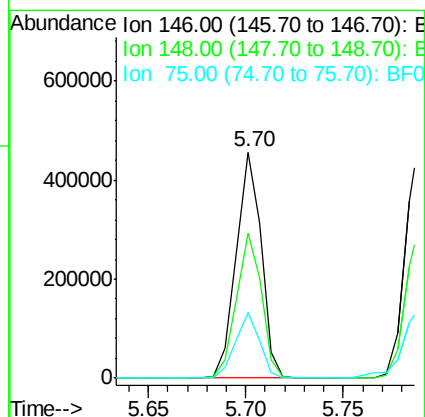
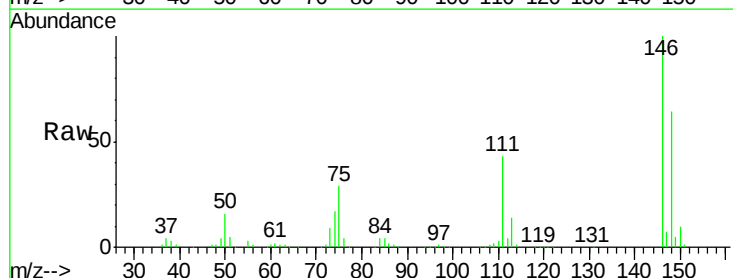
Manual Integrations
APPROVED

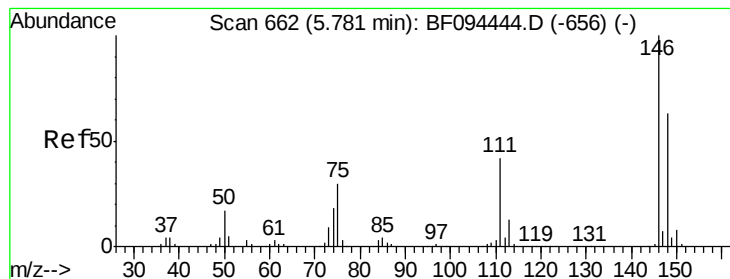
mohammad
4/21/2017 11:36:01 AM



#12
1,3-Dichlorobenzene
Concen: 45.77 ng
RT: 5.70 min Scan# 640
Delta R.T. 0.01 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.6
75	29.2	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 46.26 ng

RT: 5.79 min Scan# 655

Delta R.T. 0.01 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

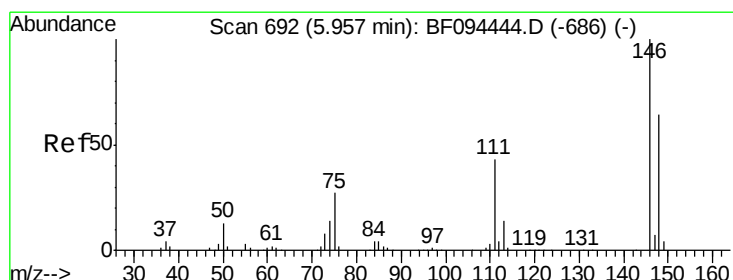
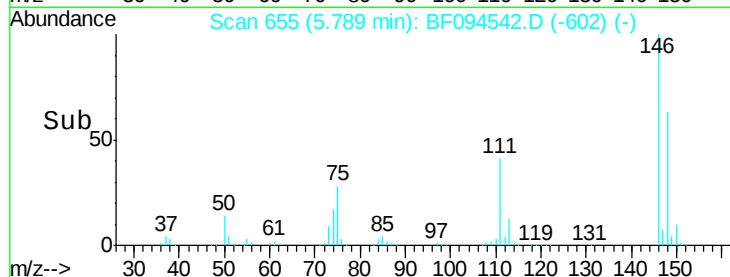
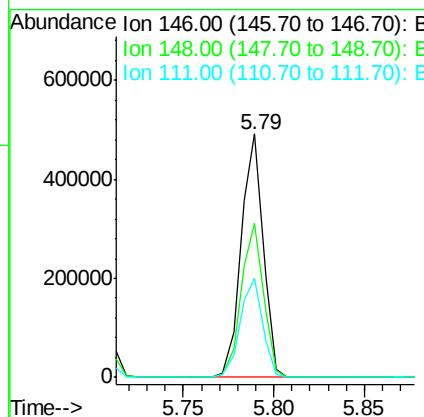
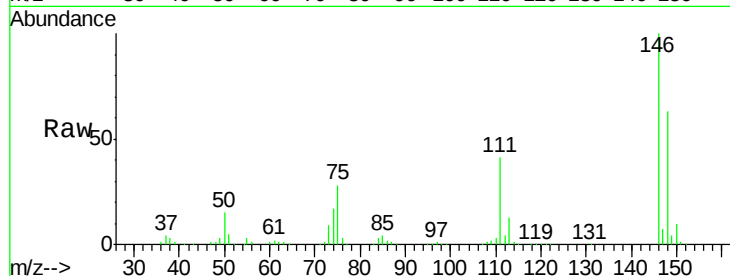
ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	52.2	78.2
111	40.8	30.3	45.5

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



#14

1,2-Dichlorobenzene

Concen: 46.65 ng

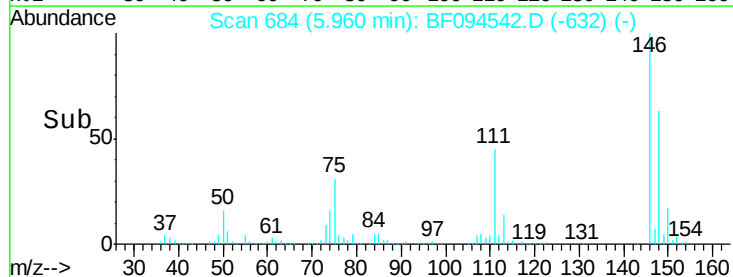
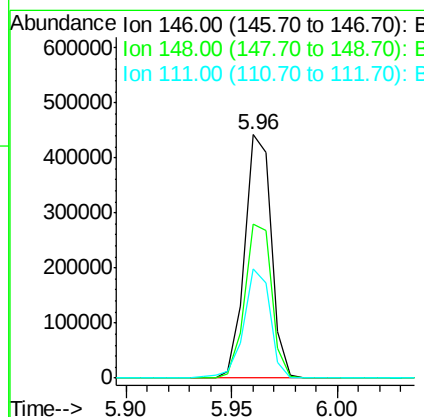
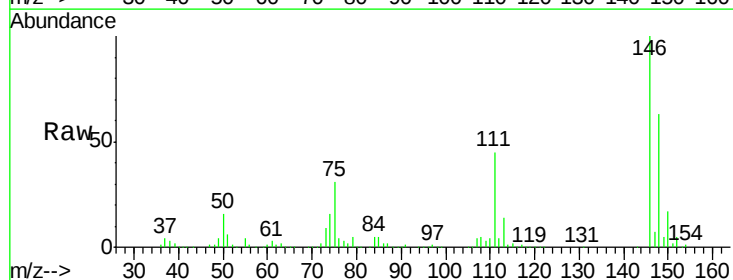
RT: 5.96 min Scan# 684

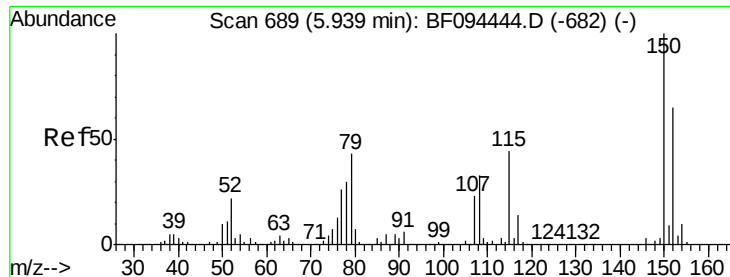
Delta R.T. 0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.4	75.6
111	45.1	38.2	57.4





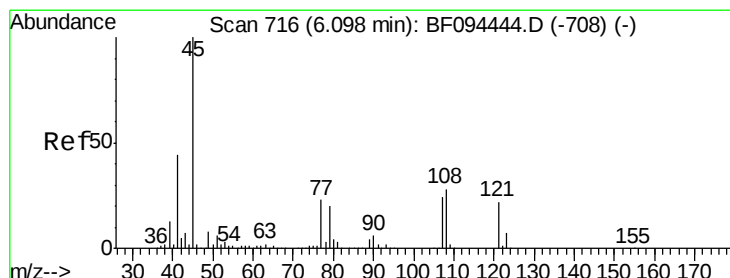
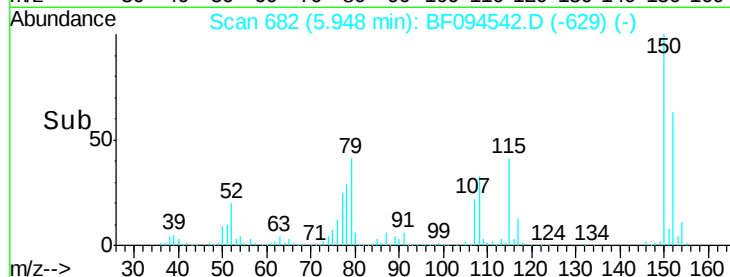
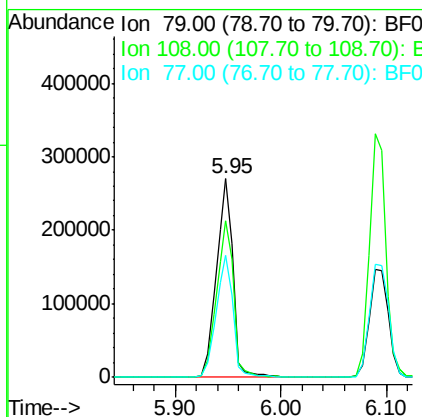
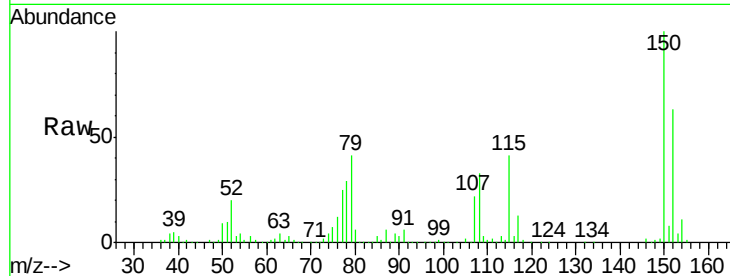
#15
Benzyl Alcohol
Concen: 48.78 ng
RT: 5.95 min Scan# 682
Delta R.T. 0.01 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.8	63.4	95.0
77	61.7	49.2	73.8

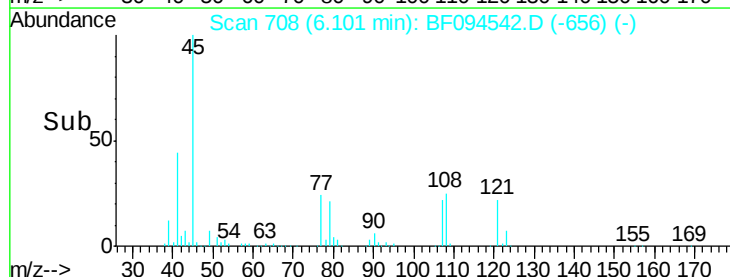
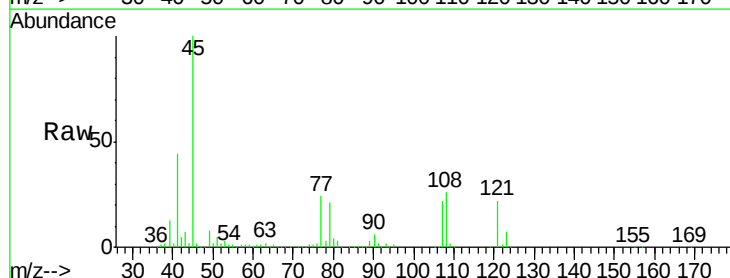
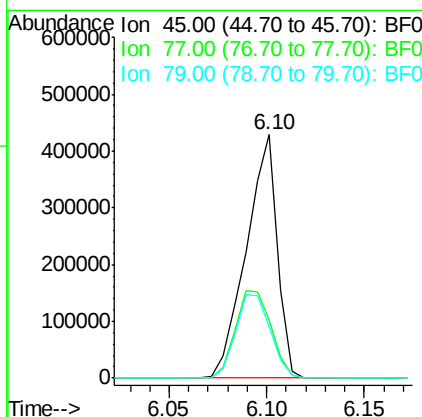
Manual Integrations
APPROVED

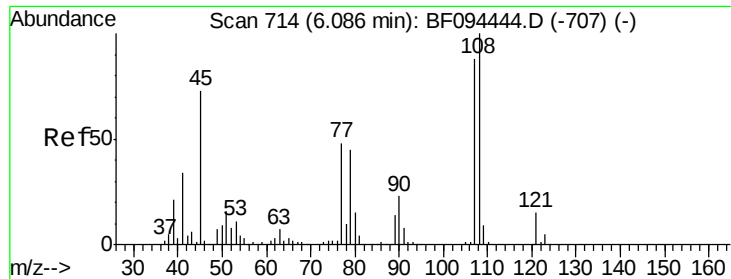
mohammad
4/21/2017 11:36:01 AM



#16
2,2'-oxybis(1-chloropropane)
Concen: 48.30 ng
RT: 6.10 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
45	100		
77	23.8	0.0	33.2
79	21.0	0.0	30.0





#17

2-Methylphenol

Concen: 48.93 ng

RT: 6.09 min Scan# 706

Delta R.T. 0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

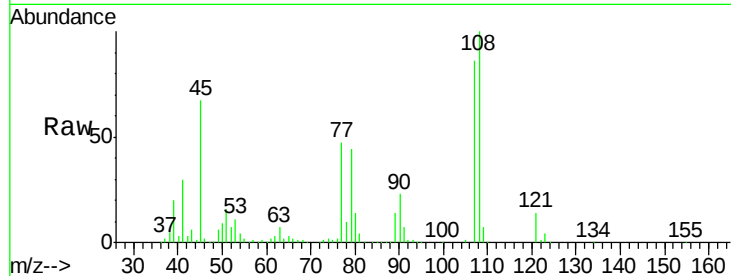
ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	116.7	93.4	140.0	
77	54.4	35.8	53.6#	
79	51.9	34.8	52.2	

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM

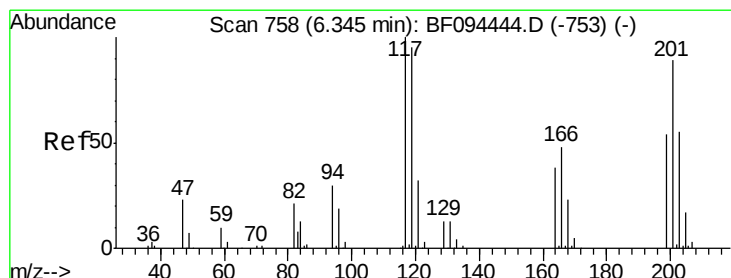
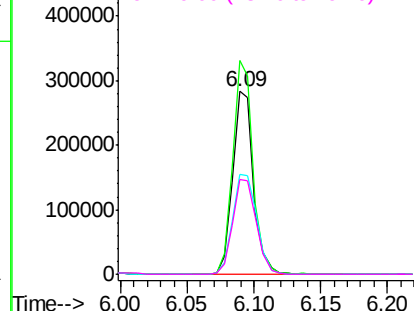
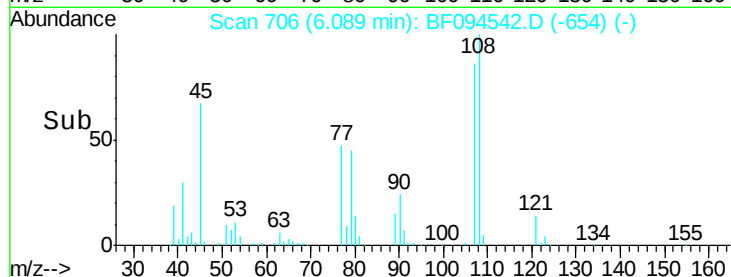


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 46.26 ng

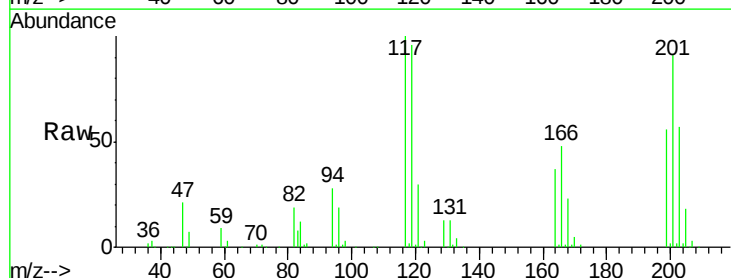
RT: 6.35 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

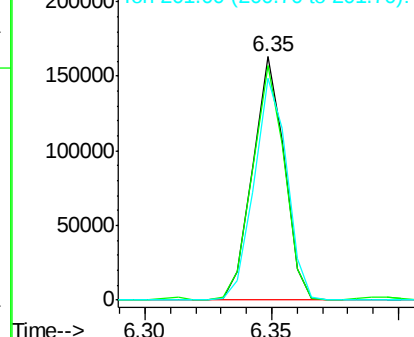
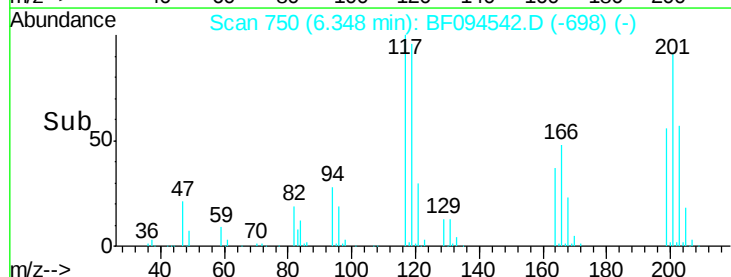
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	77.4	116.0	
201	91.3	94.6	141.8#	

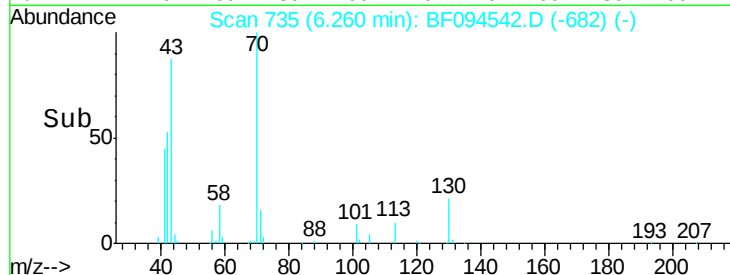
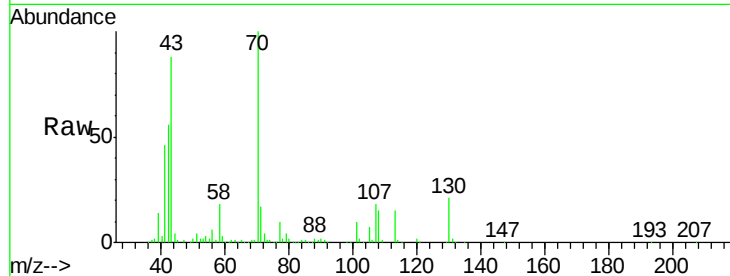
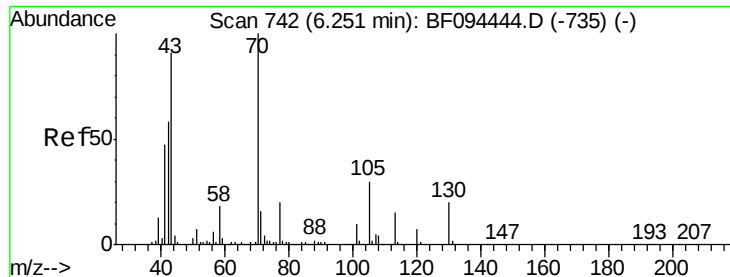


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





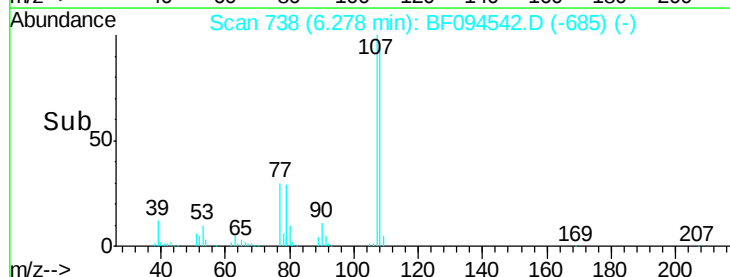
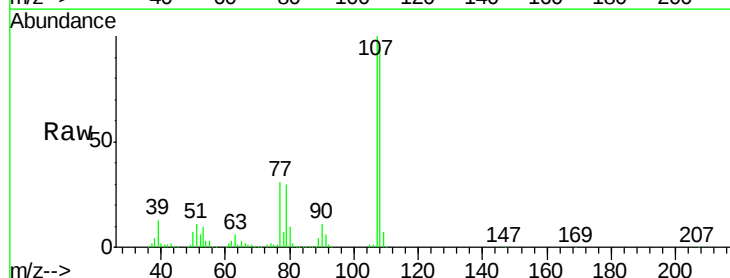
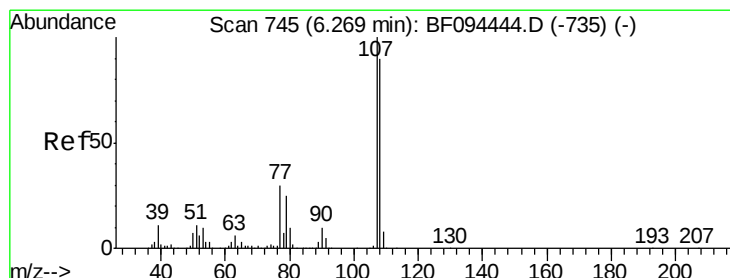
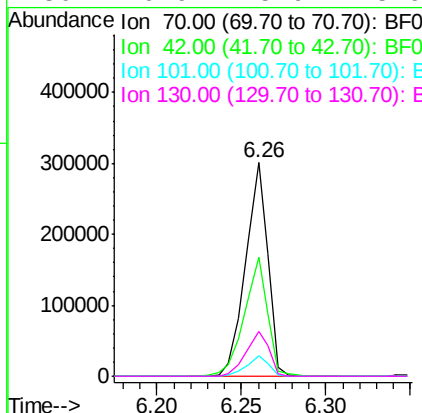
#19
n-Nitroso-di-n-propylamine
Concen: 50.25 ng
RT: 6.26 min Scan# 735
Delta R.T. 0.01 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	55.9	47.2	70.8	
101	9.6	7.2	10.8	
130	20.9	15.9	23.9	

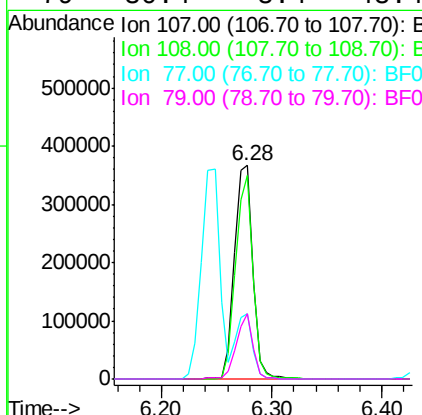
Manual Integrations
APPROVED

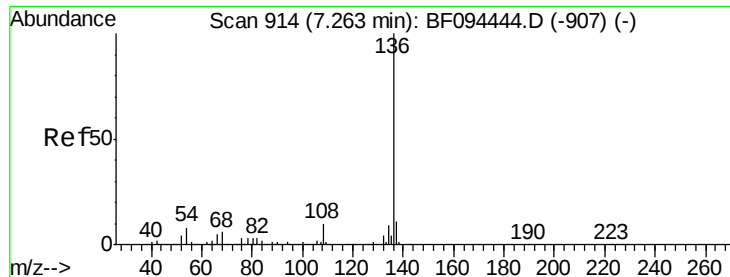
mohammad
4/21/2017 11:36:01 AM



#20
3+4-Methylphenols
Concen: 50.63 ng
RT: 6.28 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	95.0	71.0	111.0	
77	30.8	90.5	130.5#	
79	30.4	8.4	48.4	





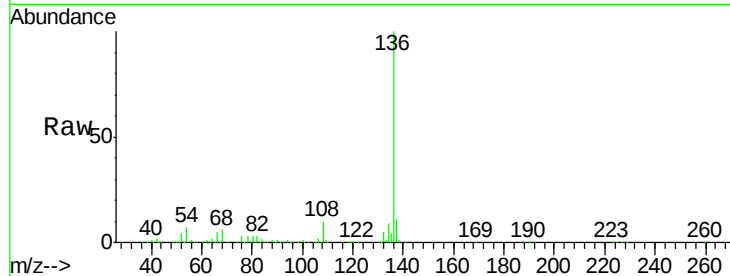
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.26 min Scan# 905
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	472102		
137	10.8		8.5	12.7
54	7.3		4.9	7.3
68	5.9		4.1	6.1

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



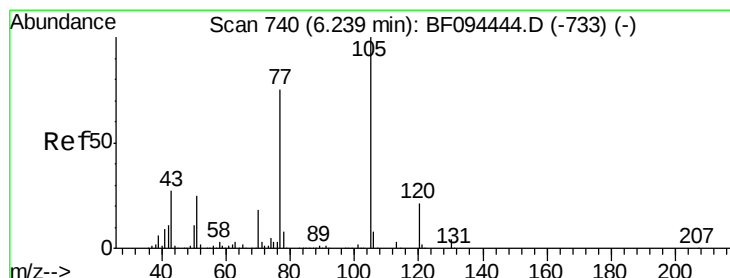
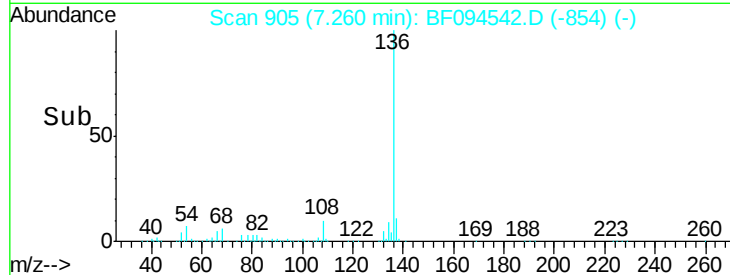
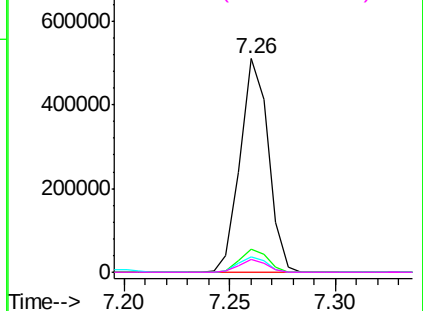
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 48.30 ng
RT: 6.25 min Scan# 733
Delta R.T. 0.01 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	554445		
71	2.7		2.8	4.2#
51	23.9		30.7	46.1#
120	22.7		17.4	26.0

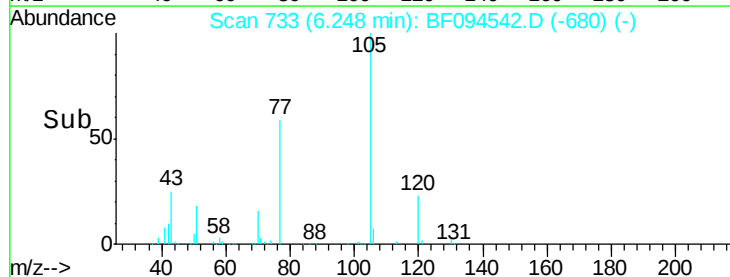
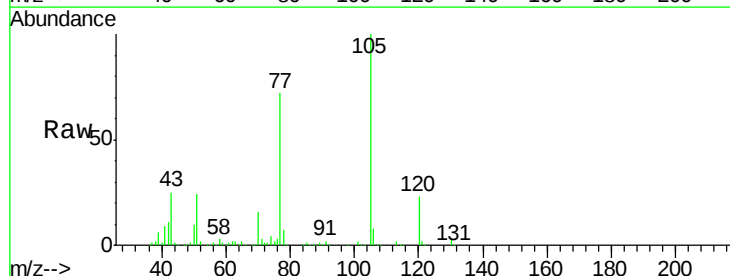
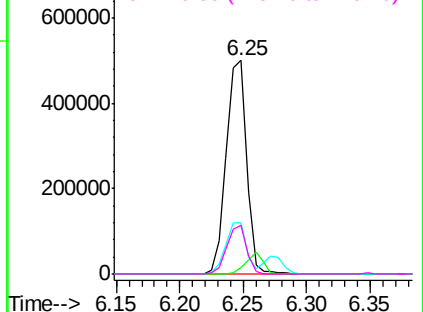
Abundance

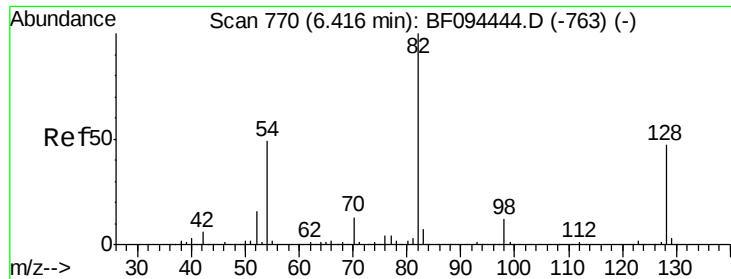
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





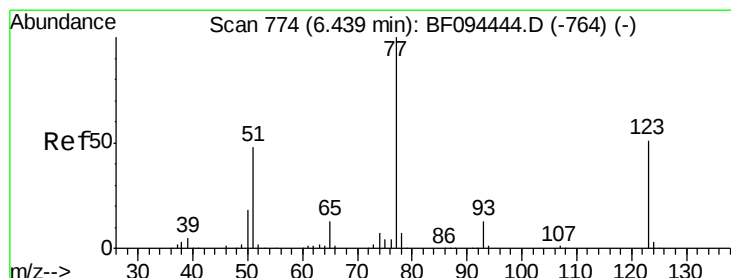
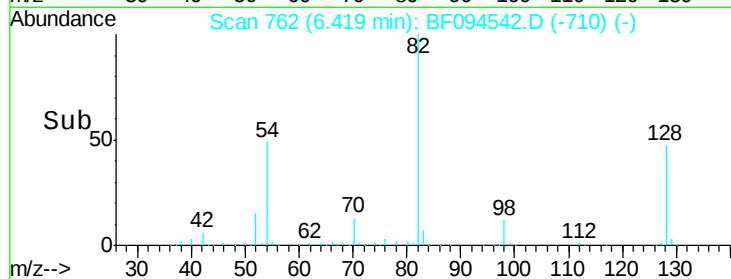
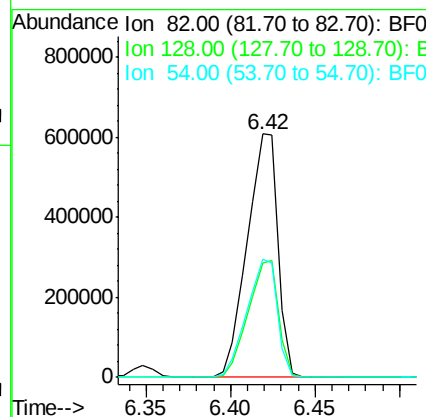
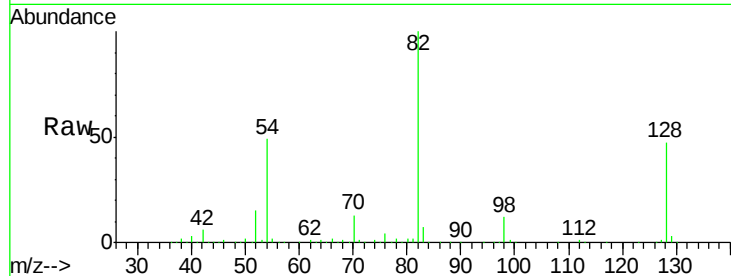
#23
Nitrobenzene-d5
Concen: 100.93 ng
RT: 6.42 min Scan# 762
Delta R.T. 0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	771657		
128	47.0	34.0	51.0	
54	48.7	42.2	63.2	

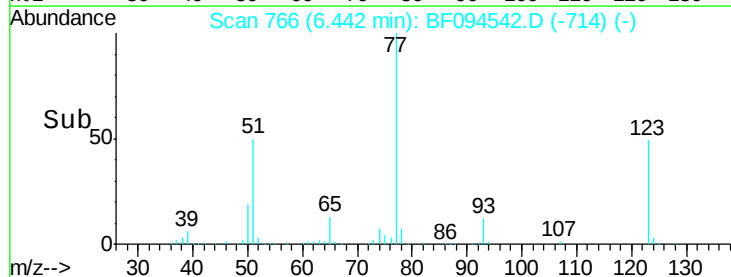
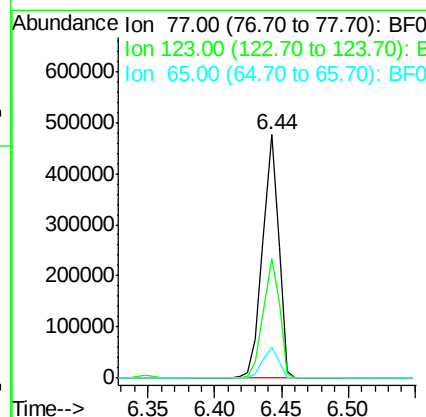
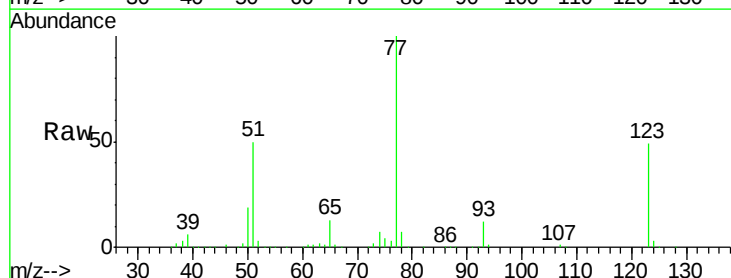
Manual Integrations
APPROVED

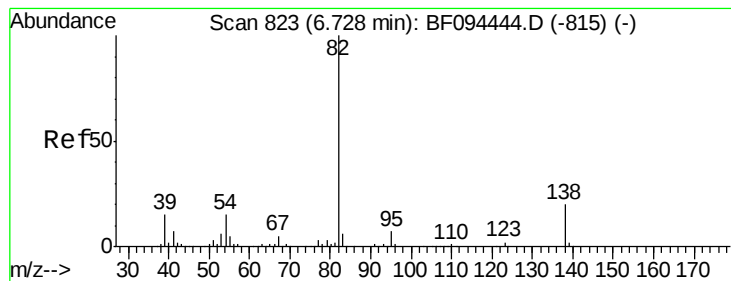
mohammad
4/21/2017 11:36:01 AM



#24
Nitrobenzene
Concen: 48.73 ng
RT: 6.44 min Scan# 766
Delta R.T. 0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	392340		
123	49.1	35.8	53.8	
65	12.8	10.6	15.8	





#25

Isophorone

Concen: 51.03 ng

RT: 6.73 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

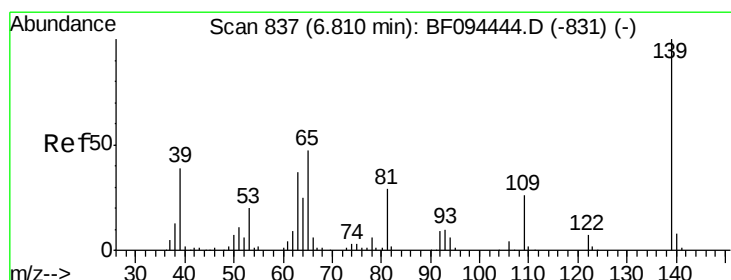
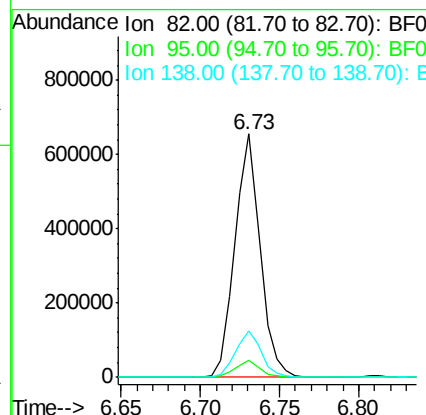
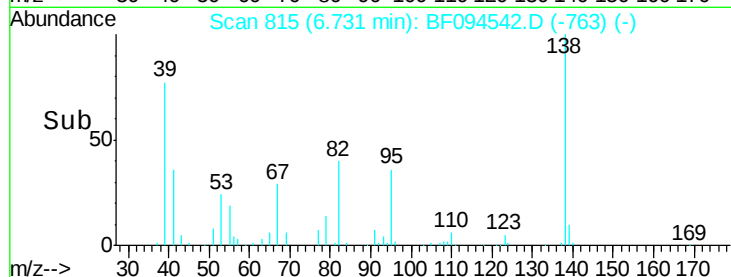
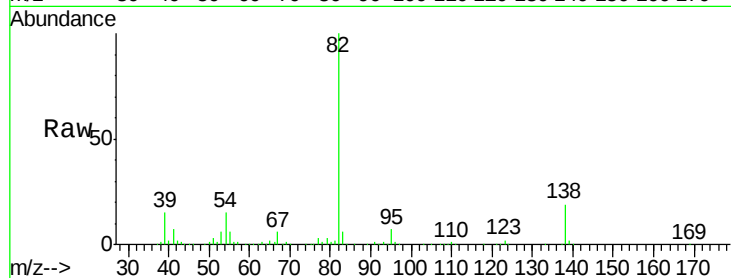
ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion:	82	Resp:	723295
Ion Ratio		Lower	Upper
82	100		
95	6.9	5.3	7.9
138	19.3	13.1	19.7

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



#26

2-Nitrophenol

Concen: 51.23 ng

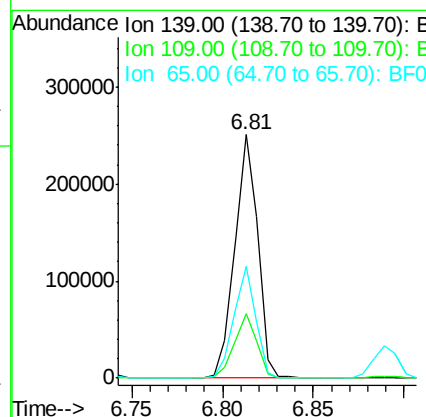
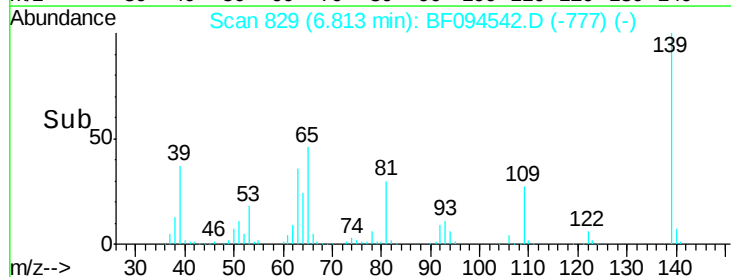
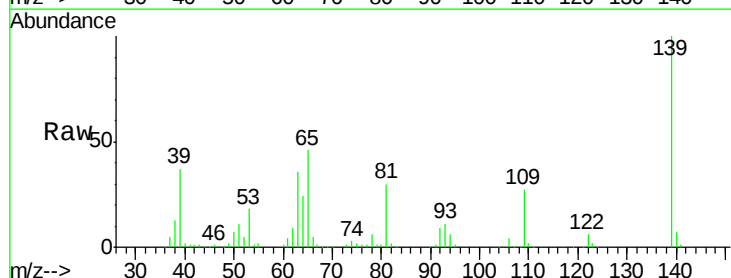
RT: 6.81 min Scan# 829

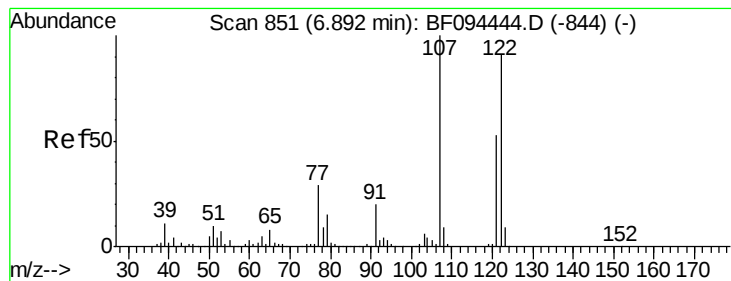
Delta R.T. 0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion:	139	Resp:	221604
Ion Ratio		Lower	Upper
139	100		
109	26.6	21.0	31.6
65	45.9	33.0	49.6





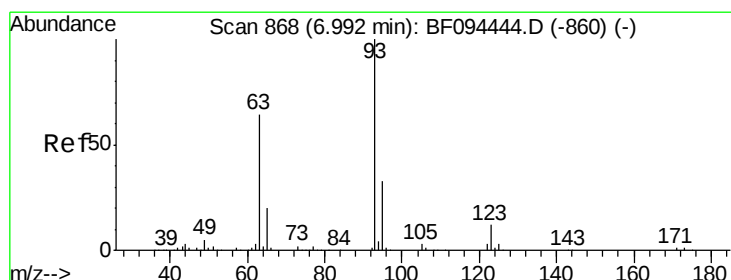
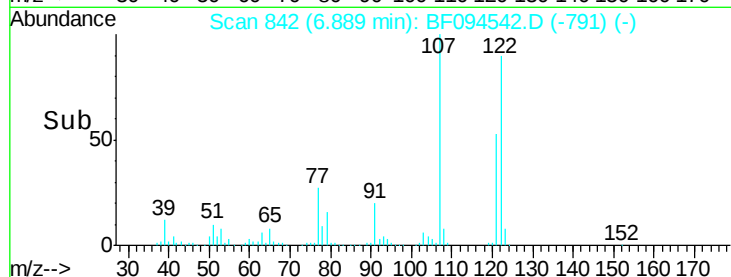
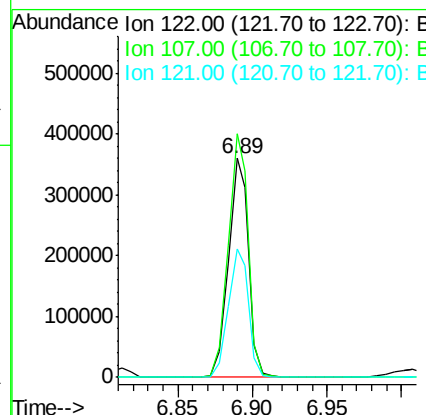
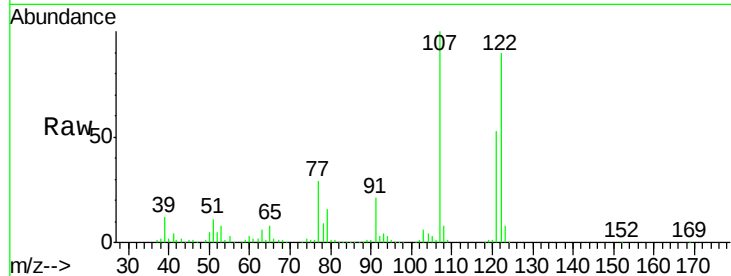
#27
 2,4-Dimethylphenol
 Concen: 48.85 ng
 RT: 6.89 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		343228		
107	111.3	89.2	133.8		
121	59.0	45.2	67.8		

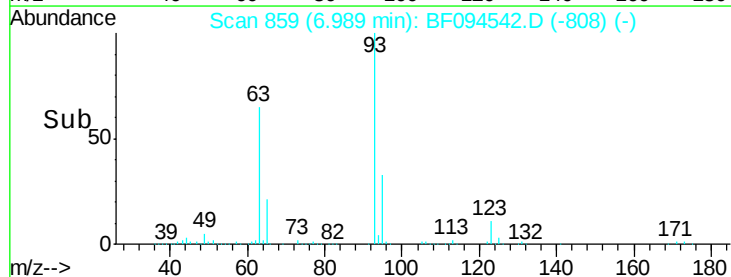
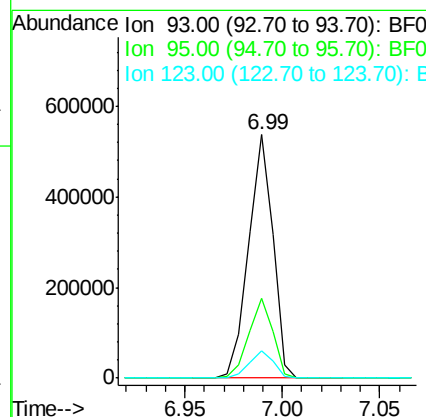
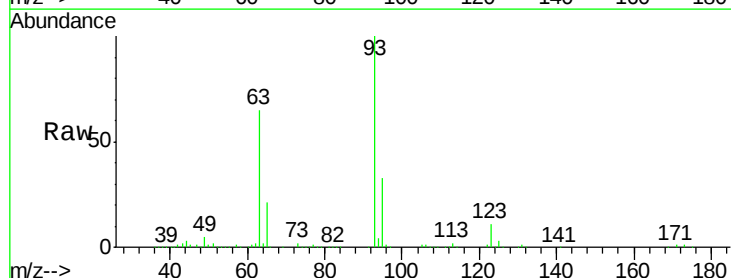
Manual Integrations
 APPROVED

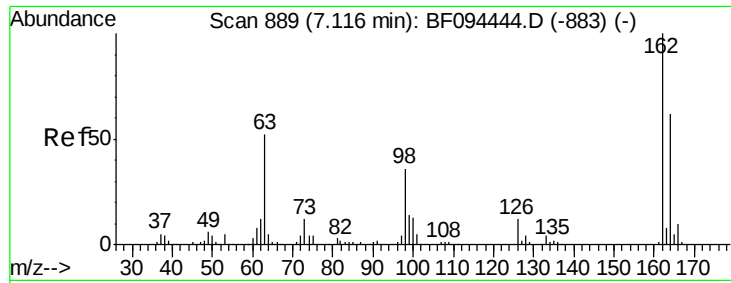
mohammad
 4/21/2017 11:36:01 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 50.67 ng
 RT: 6.99 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		464569		
95	32.7	26.5	39.7		
123	11.1	9.0	13.4		





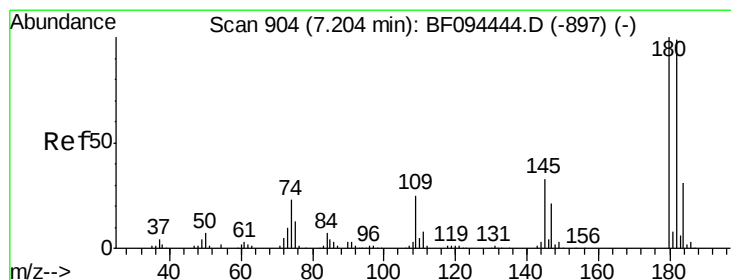
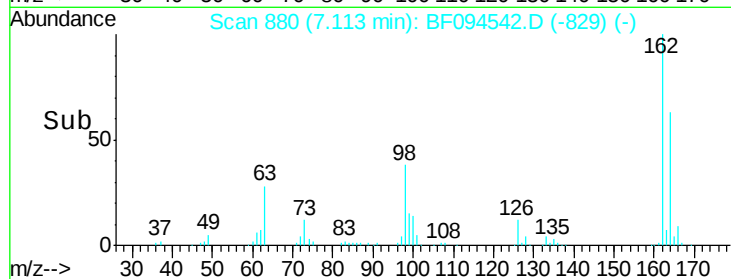
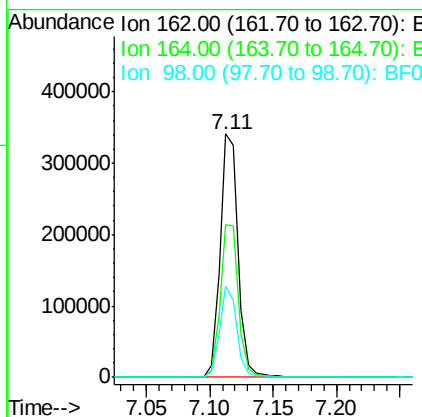
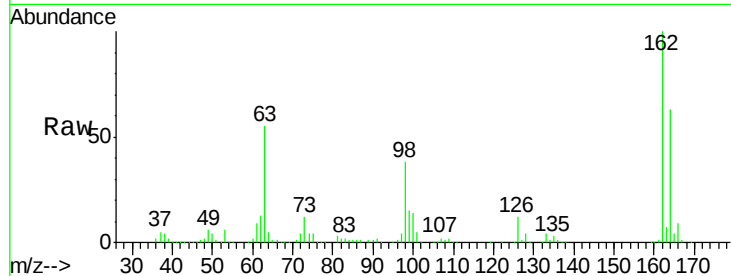
#29
 2,4-Dichlorophenol
 Concen: 51.75 ng
 RT: 7.11 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

Tot Ion:	162	Resp:	338236
Ion Ratio	Lower	Upper	
162	100		
164	62.7	44.6	84.6
98	37.7	14.8	54.8

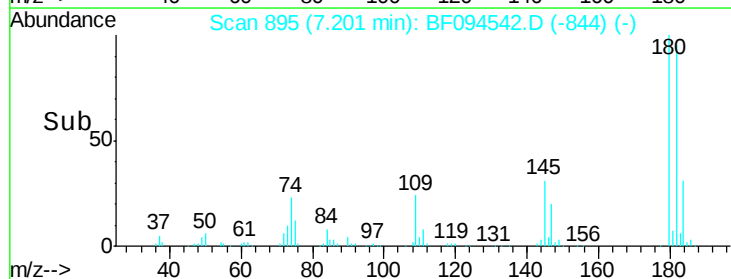
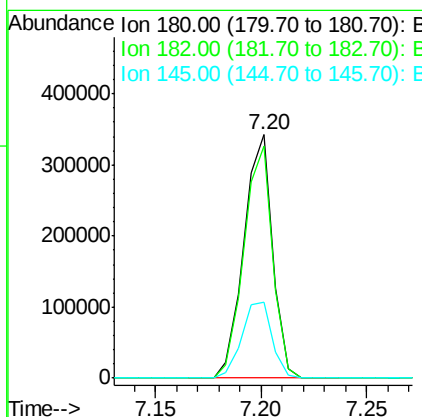
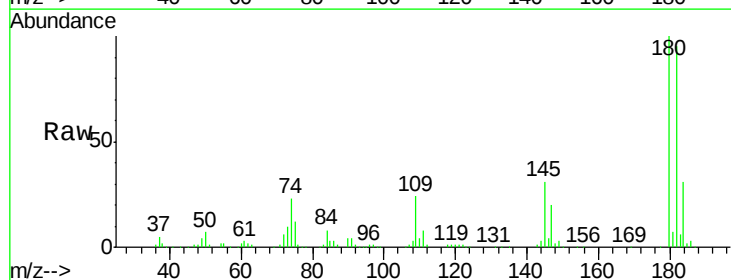
Manual Integrations
 APPROVED

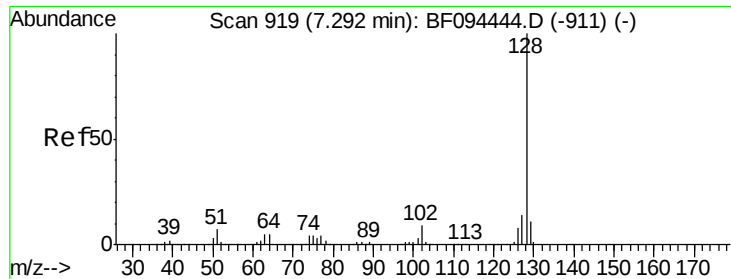
mohammad
 4/21/2017 11:36:01 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 47.72 ng
 RT: 7.20 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion:	180	Resp:	322485
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.8	113.6
145	31.2	25.3	37.9





#31

Naphthalene

Concen: 48.66 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion:128 Resp: 1104298

Ion Ratio Lower Upper

128 100

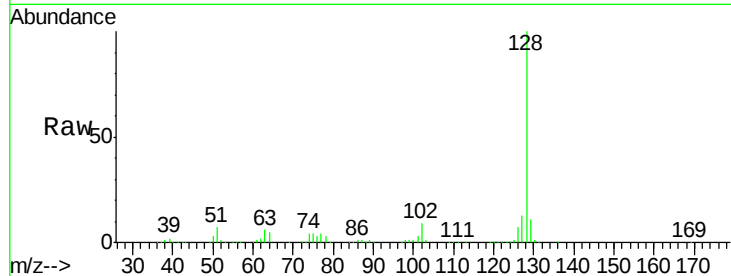
129 11.3 9.0 13.6

127 13.4 10.8 16.2

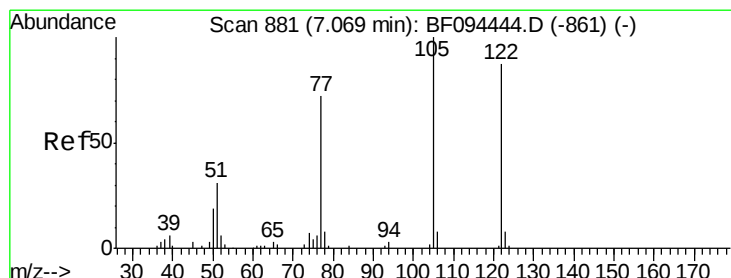
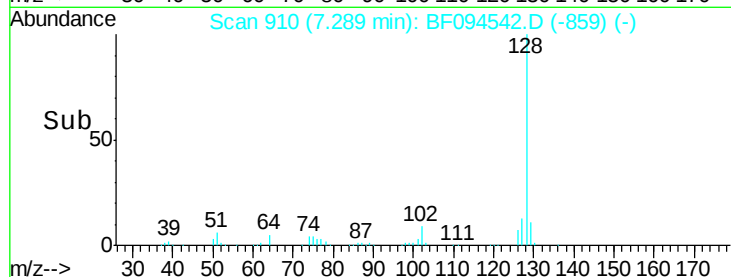
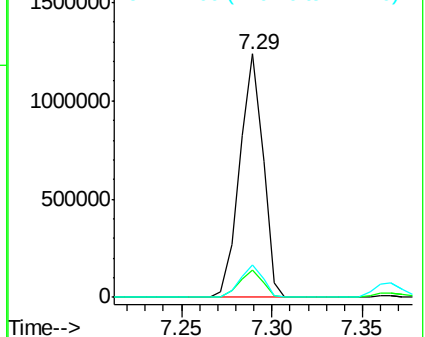
Manual Integrations
APPROVED

mohammad

4/21/2017 11:36:01 AM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.33 ng

RT: 7.01 min Scan# 862

Delta R.T. -0.06 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

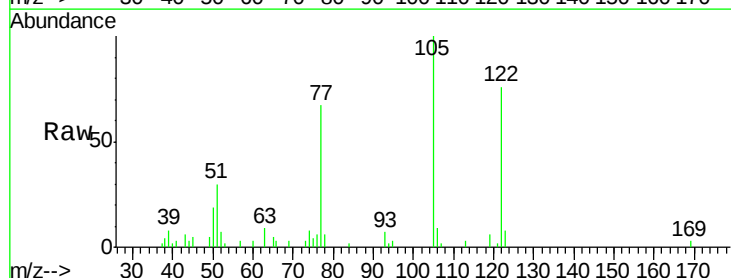
Tgt Ion:122 Resp: 19811

Ion Ratio Lower Upper

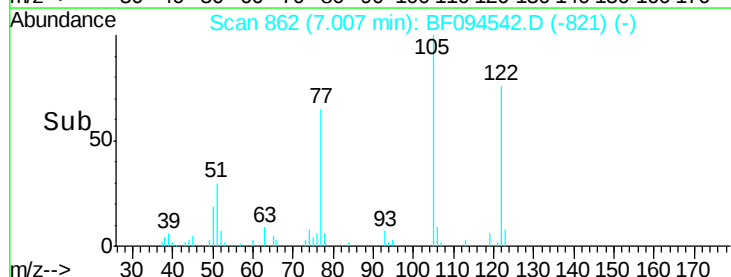
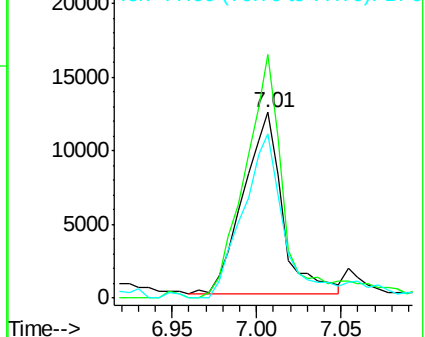
122 100

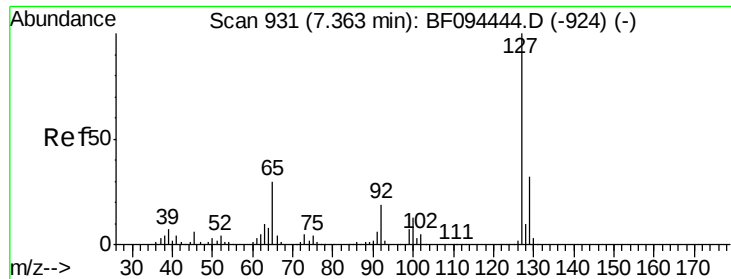
105 131.1 103.3 143.3

77 88.3 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





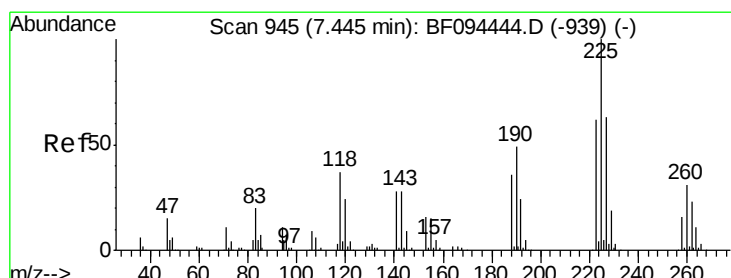
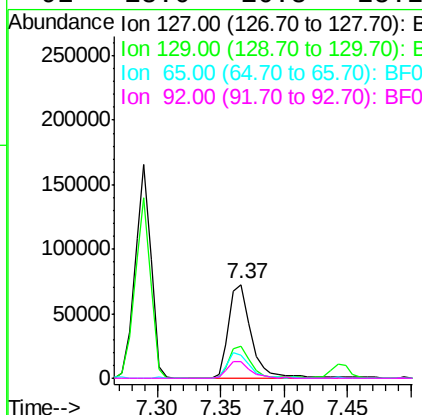
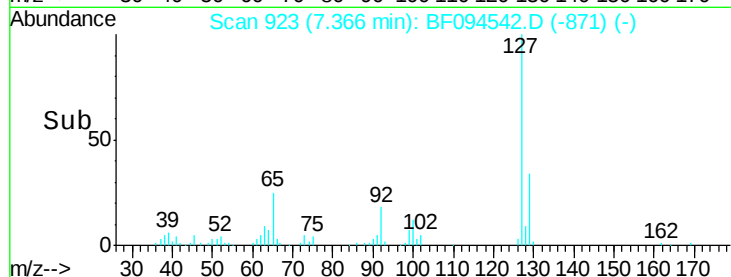
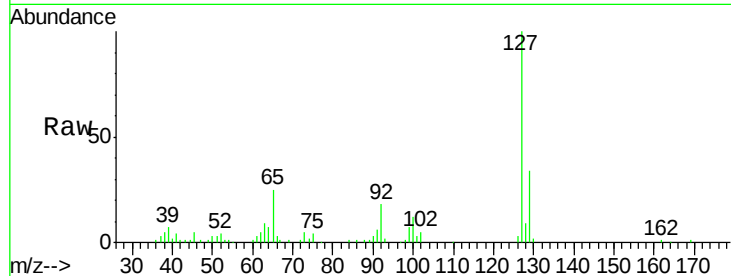
#33
4-Chloroaniline
Concen: 9.62 ng
RT: 7.37 min Scan# 923
Delta R.T. 0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.7	26.2	39.2		
65	25.2	27.8	41.8		
92	18.0	16.8	25.2		

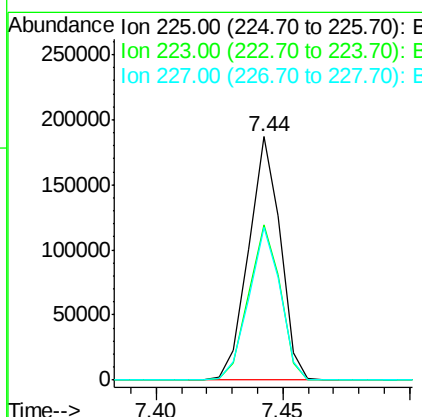
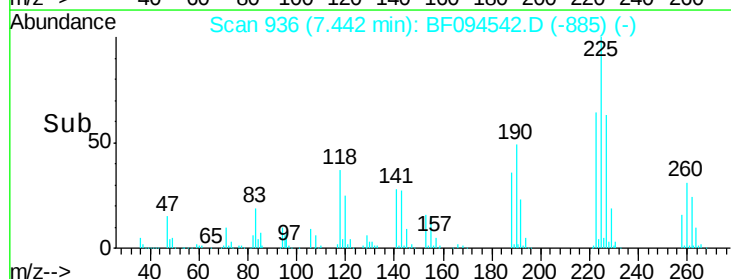
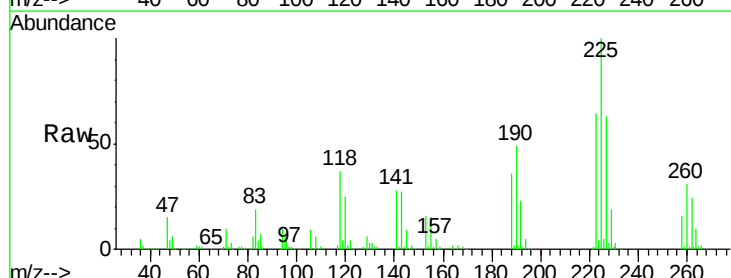
Manual Integrations
APPROVED

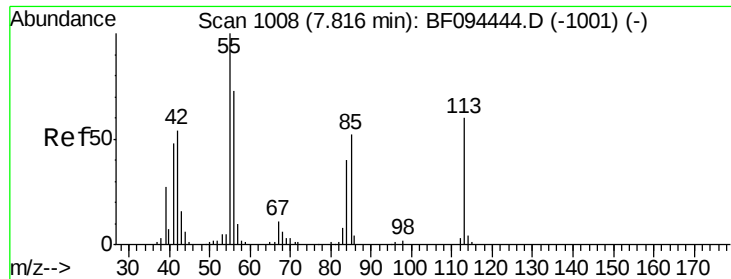
mohammad
4/21/2017 11:36:01 AM



#34
Hexachlorobutadiene
Concen: 48.31 ng
RT: 7.44 min Scan# 936
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.9	48.8	73.2		
227	62.8	51.1	76.7		





#35

Caprolactam

Concen: 53.85 ng/mL

RT: 7.83 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

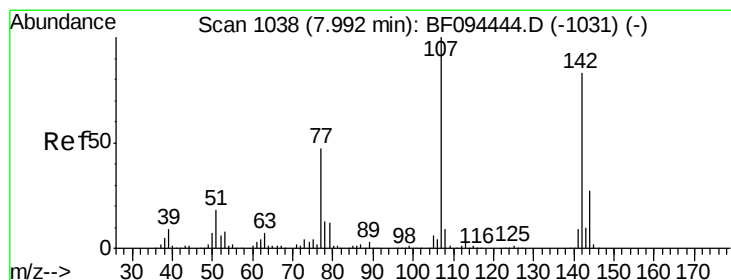
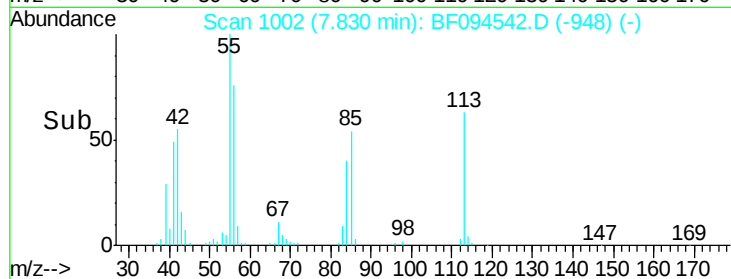
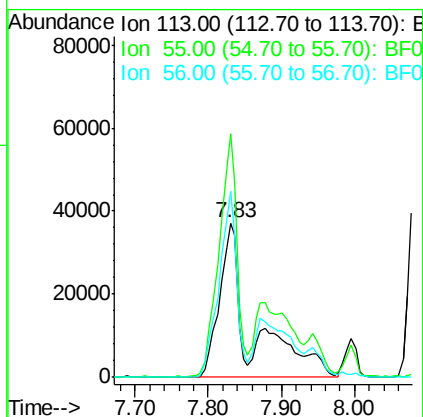
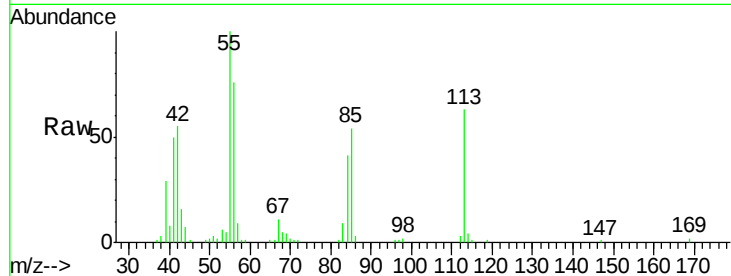
ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion:	113	Resp:	110563
Ion Ratio	Lower	Upper	
113	100		
55	158.0	150.2	190.2
56	120.8	107.8	147.8

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



#36

4-Chloro-3-methylphenol

Concen: 51.77 ng/mL

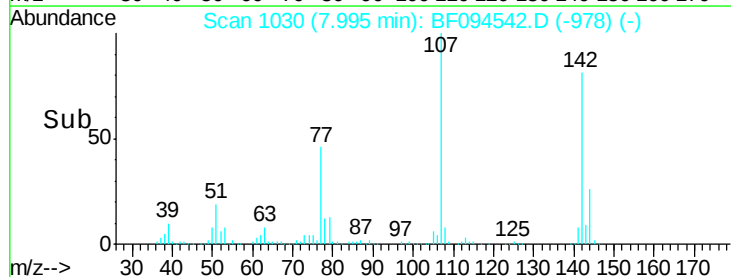
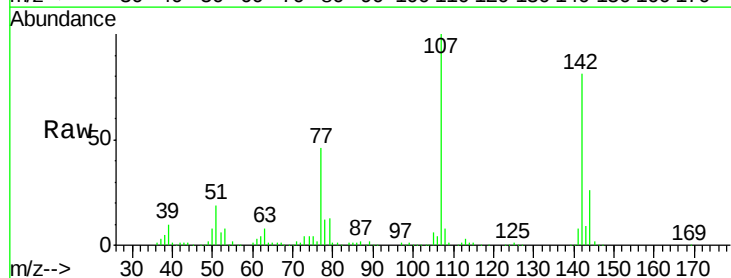
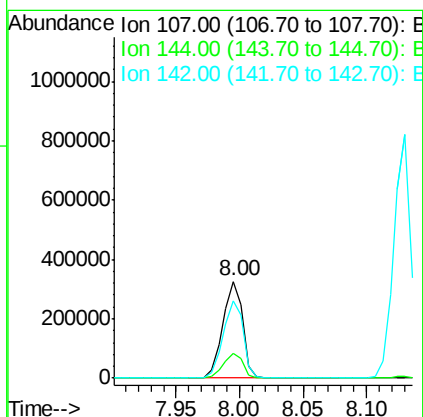
RT: 8.00 min Scan# 1030

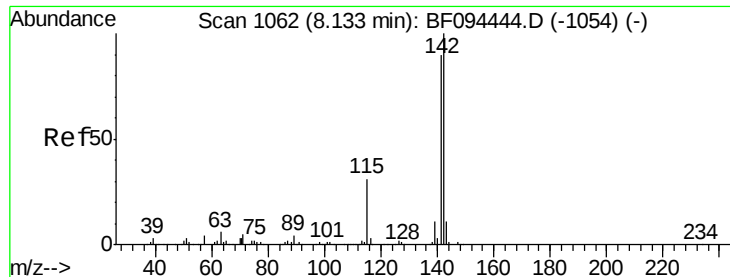
Delta R.T. 0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion:	107	Resp:	354613
Ion Ratio	Lower	Upper	
107	100		
144	25.8	24.2	36.4
142	80.6	73.4	110.0





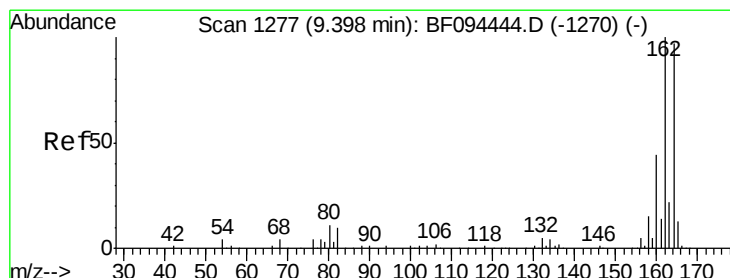
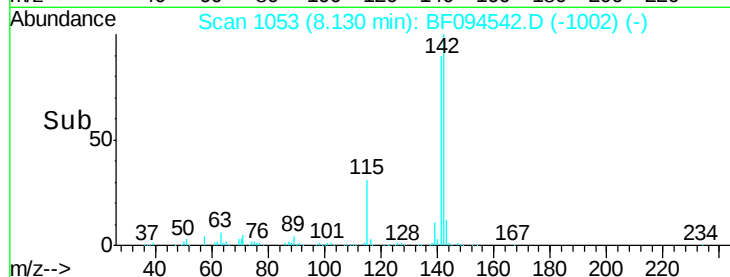
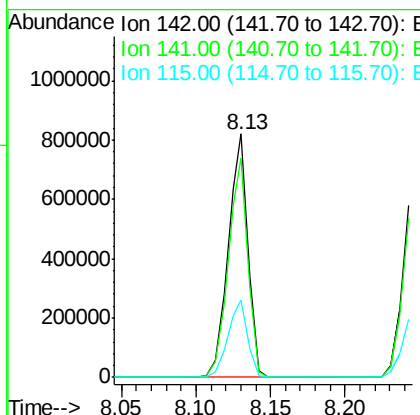
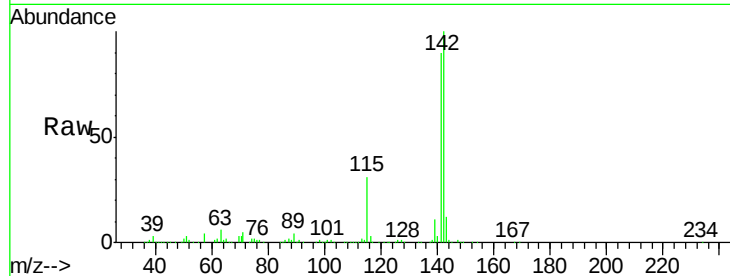
#37
2-Methylnaphthalene
Concen: 49.20 ng
RT: 8.13 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.3	106.9
115	31.5	27.1	40.7

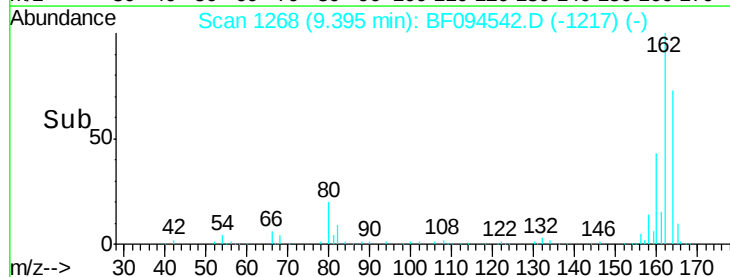
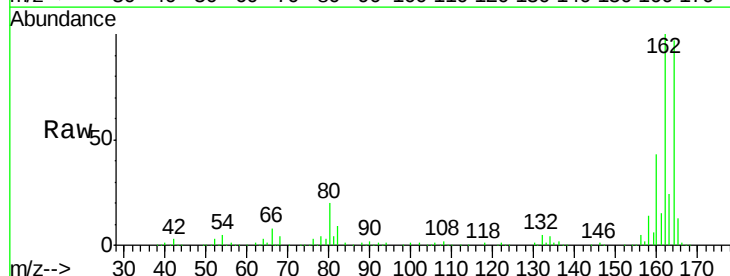
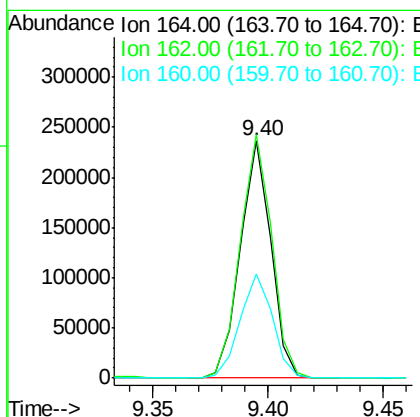
Manual Integrations
APPROVED

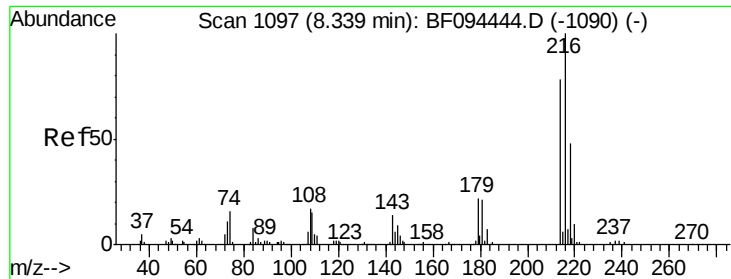
mohammad
4/21/2017 11:36:01 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	123.8
160	43.9	36.2	54.2





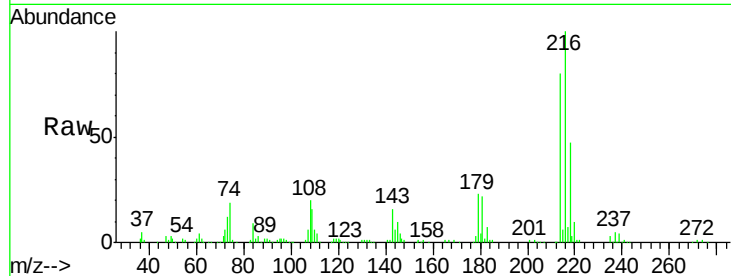
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.48 ng
 RT: 8.34 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

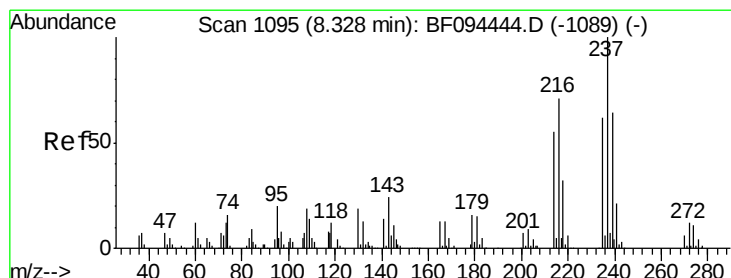
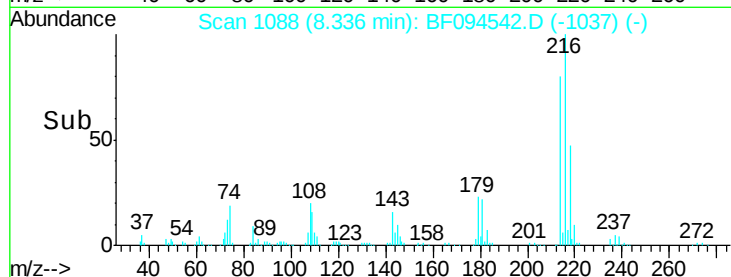
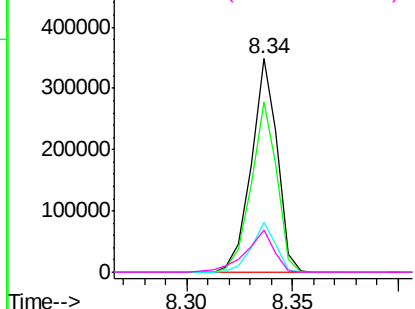
Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		296521		
214	79.2	63.4	95.2		
179	22.2	17.9	26.9		
108	21.8	16.5	24.7		

Manual Integrations
 APPROVED

mohammad
 4/21/2017 11:36:01 AM

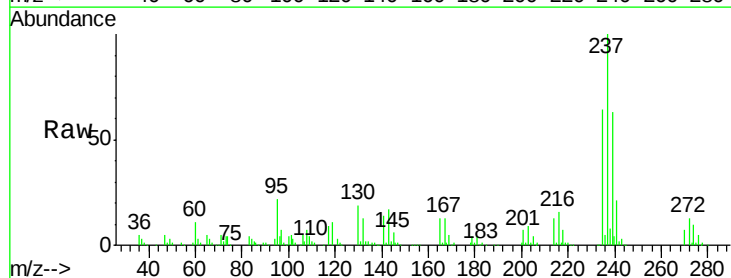


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

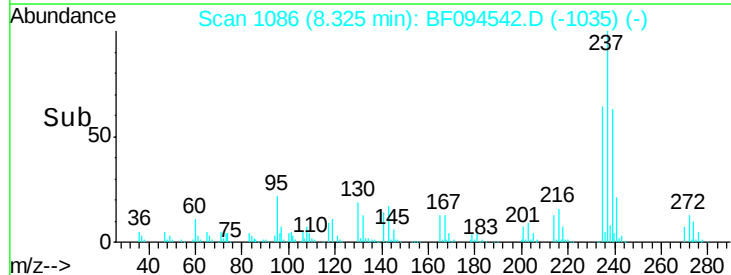
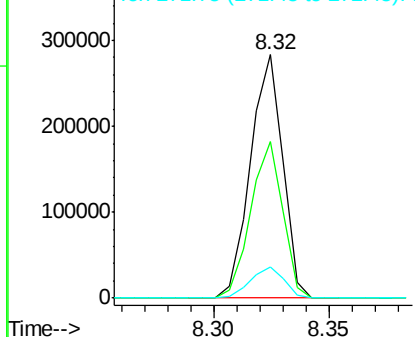


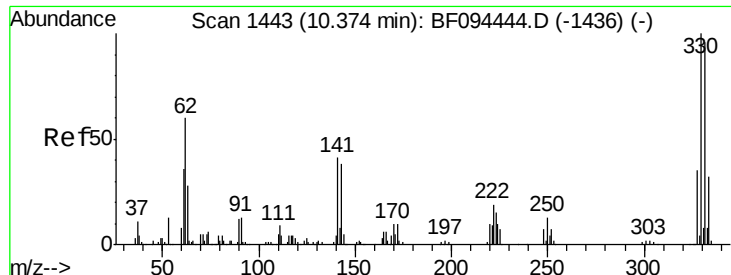
#40
 Hexachlorocyclopentadiene
 Concen: 109.77 ng
 RT: 8.32 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		277356		
235	64.1	42.6	82.6		
272	13.0	0.0	31.9		



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





#41

2,4,6-Tribromophenol

Concen: 159.36 ng

RT: 10.38 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

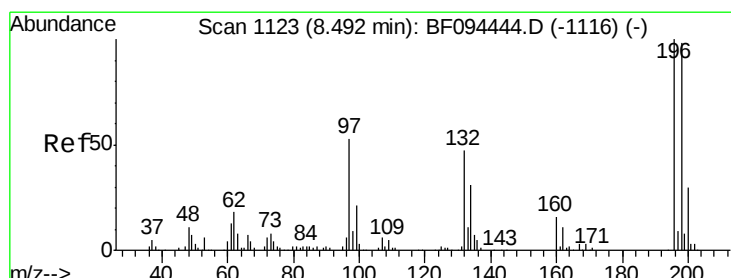
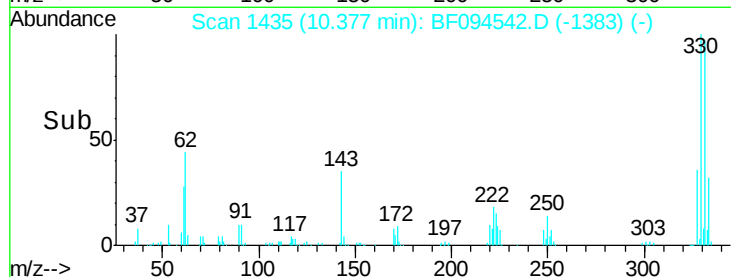
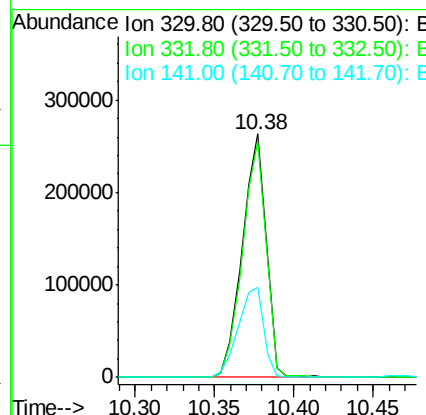
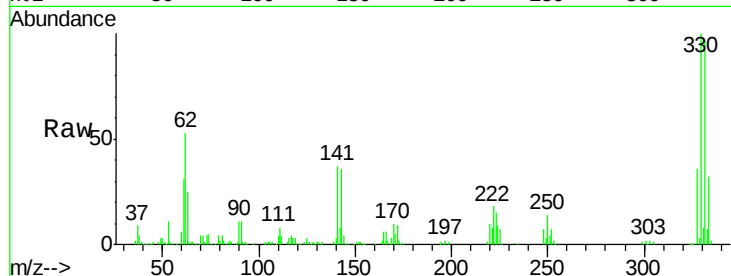
ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	273407		
332	96.9	76.6	115.0	
141	39.7	31.4	47.2	

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



#42

2,4,6-Trichlorophenol

Concen: 51.85 ng

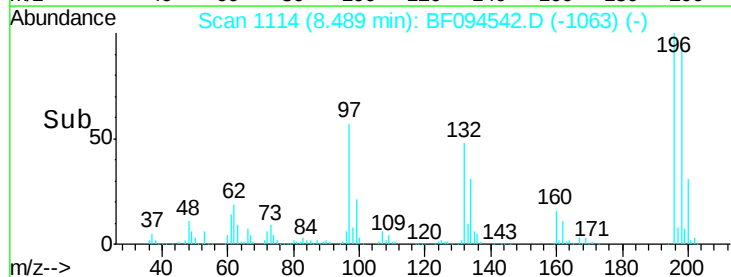
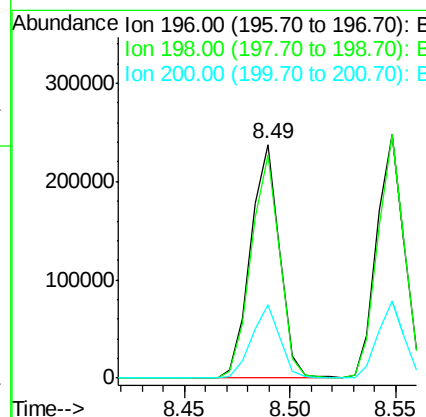
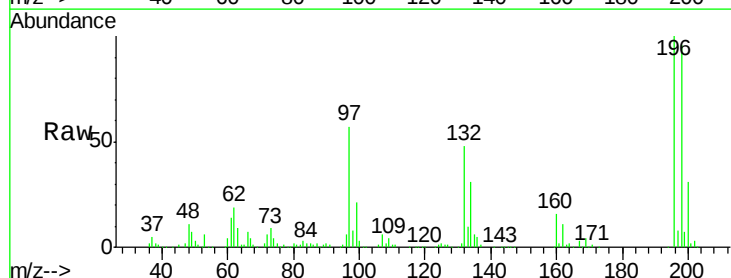
RT: 8.49 min Scan# 1114

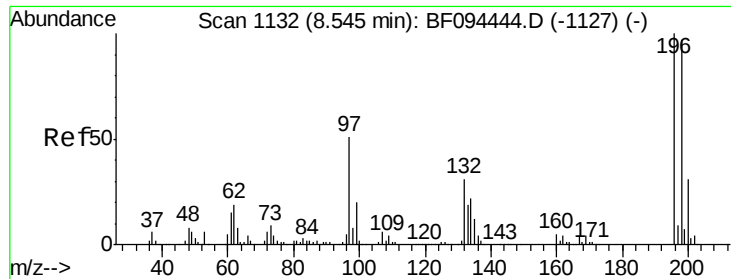
Delta R.T. -0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	227409		
198	95.6	74.2	111.4	
200	31.3	24.0	36.0	





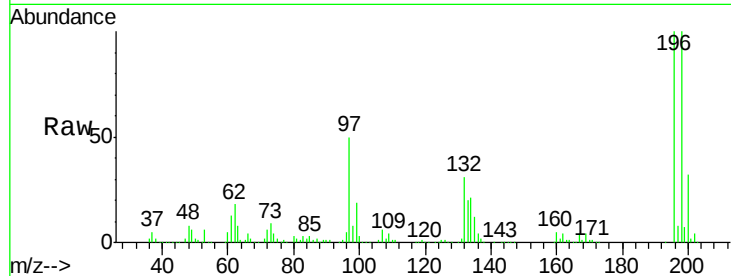
#43
 2,4,5-Trichlorophenol
 Concen: 50.80 ng
 RT: 8.55 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

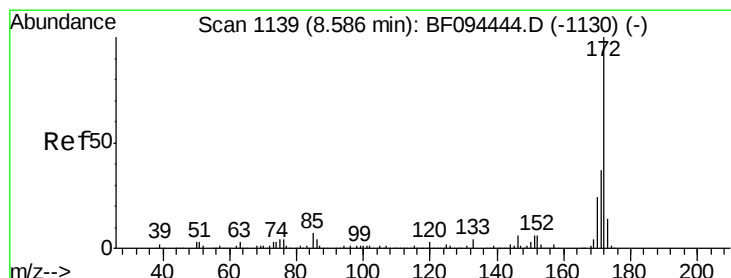
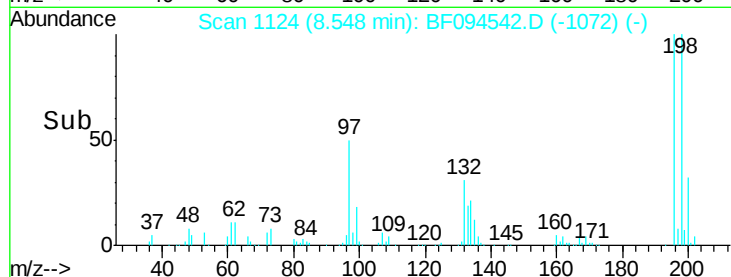
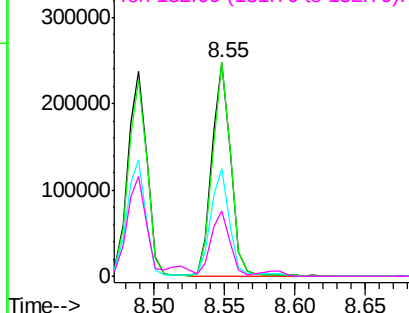
Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		228805		
198	100.0	75.7	113.5		
97	50.3	47.7	71.5		
132	30.7	28.0	42.0		

Manual Integrations
 APPROVED

mohammad
 4/21/2017 11:36:01 AM

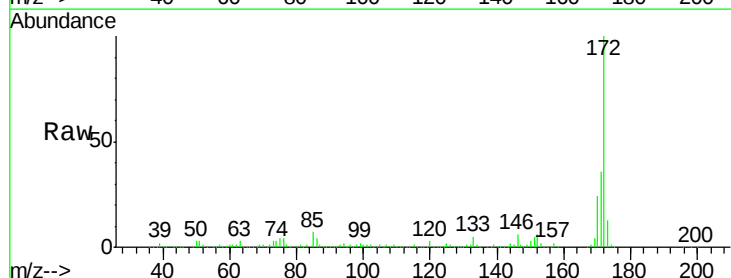


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

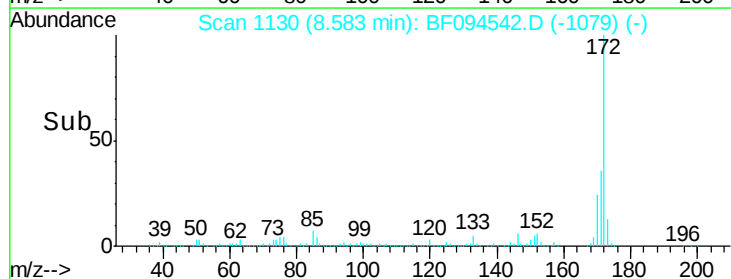
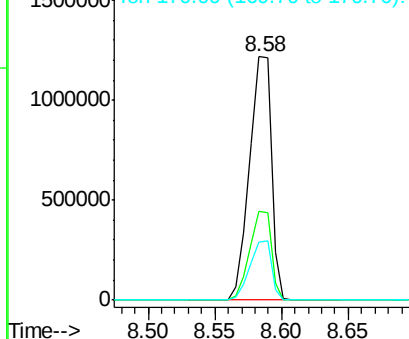


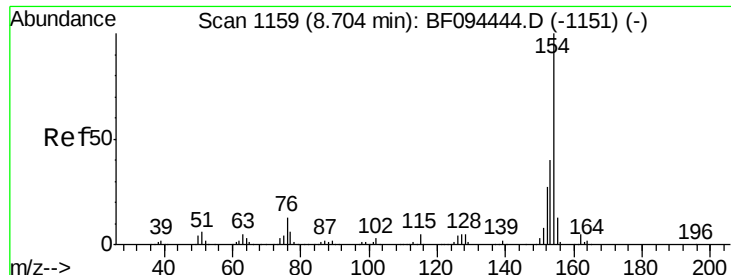
#44
 2-Fluorobiphenyl
 Concen: 91.72 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1367252		
171	36.5	29.6	44.4		
170	23.6	19.8	29.8		



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





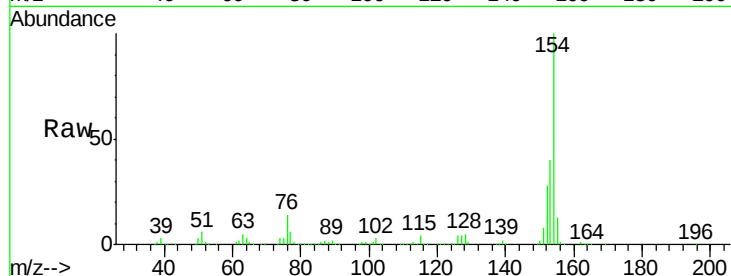
#45
 1,1'-Biphenyl
 Concen: 45.73 ng
 RT: 8.70 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

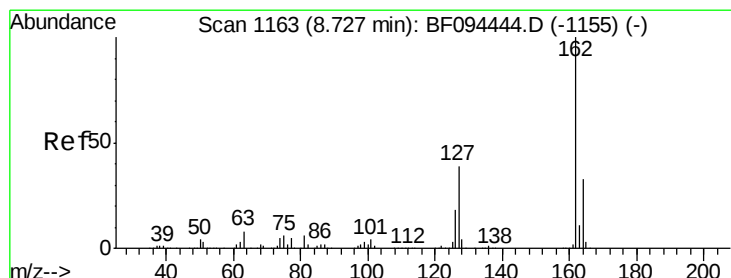
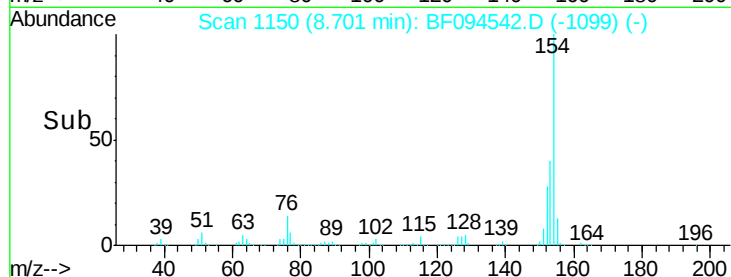
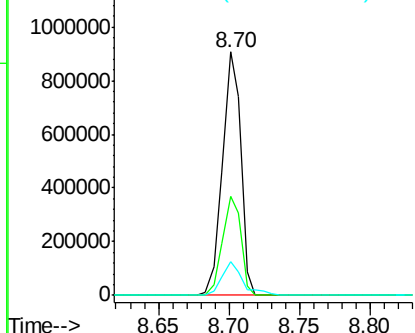
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.2	61.2
76	13.7	0.0	29.9

Manual Integrations
 APPROVED

mohammad
 4/21/2017 11:36:01 AM

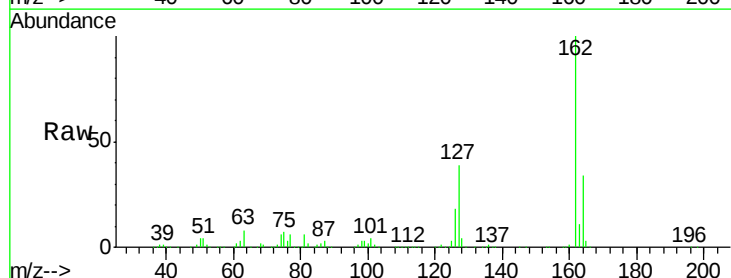


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

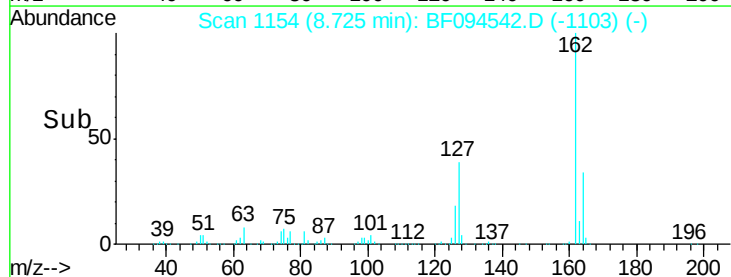
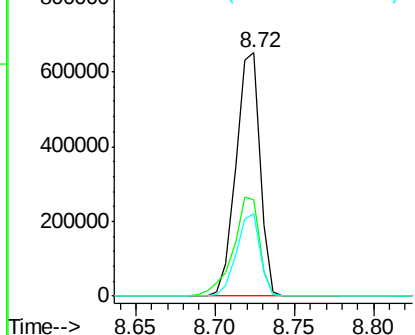


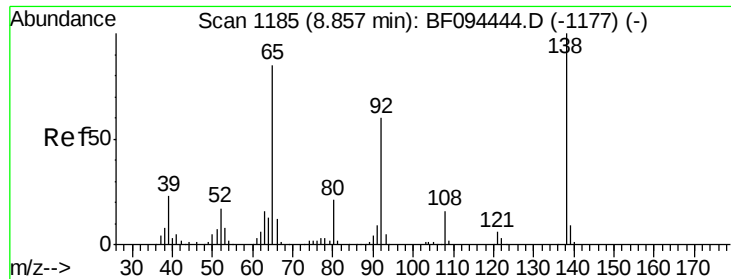
#46
 2-Chloronaphthalene
 Concen: 47.88 ng
 RT: 8.72 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.4	28.3	42.5
164	33.8	27.0	40.4



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 50.50 ng

RT: 8.86 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion: 65 Resp: 207013

Ion Ratio Lower Upper

65 100

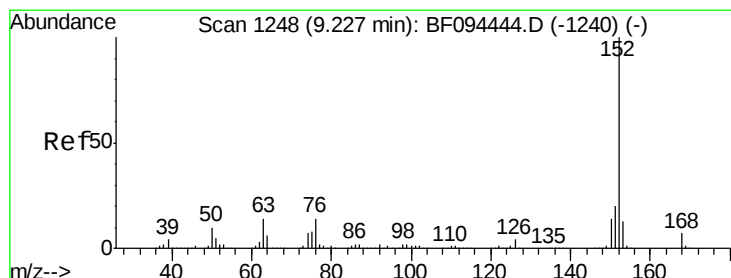
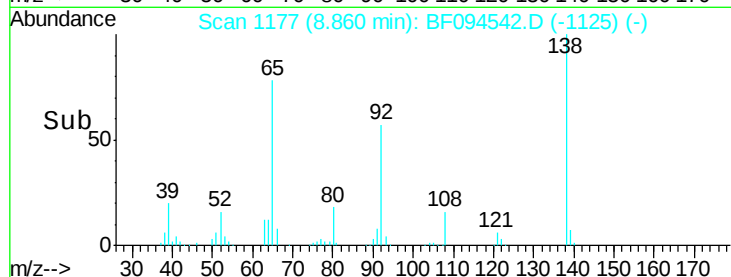
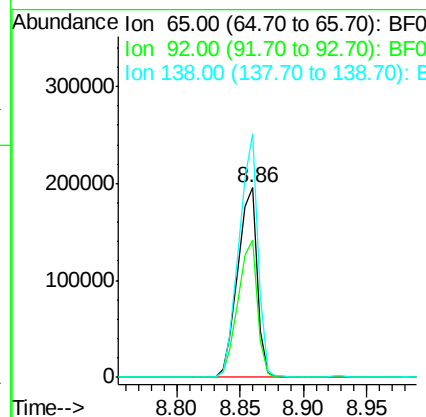
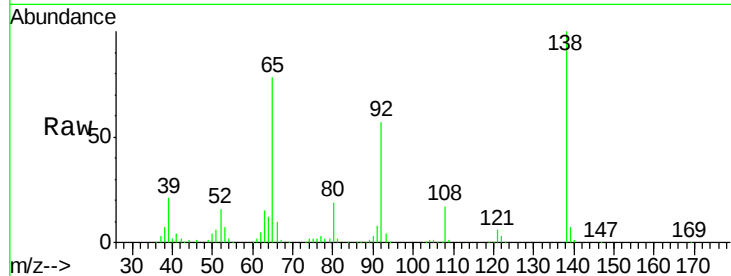
92 72.7 53.9 80.9

138 128.4 78.8 118.2#

Manual Integrations
APPROVED

mohammad

4/21/2017 11:36:01 AM



#48

Acenaphthylene

Concen: 48.51 ng

RT: 9.22 min Scan# 1239

Delta R.T. -0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

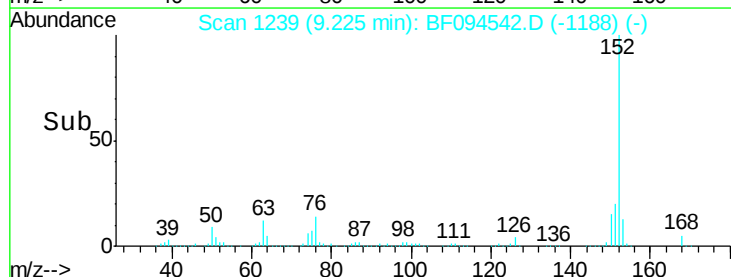
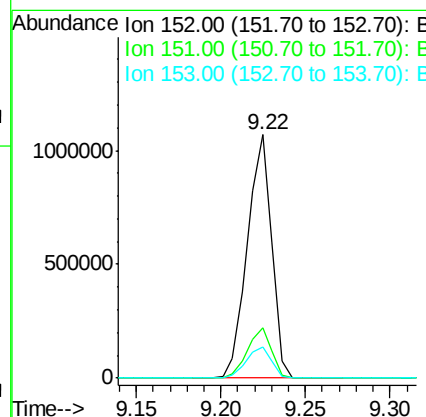
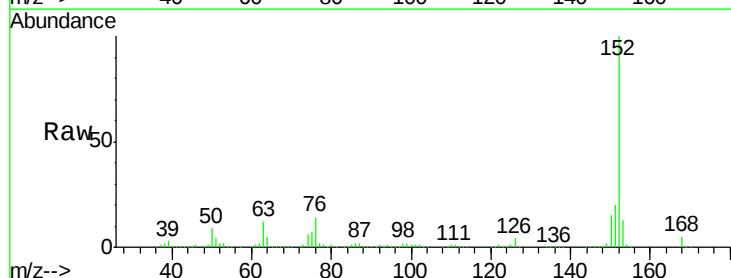
Tgt Ion: 152 Resp: 1077648

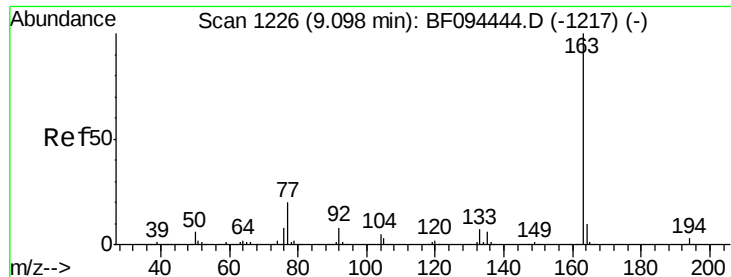
Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

153 12.9 10.8 16.2





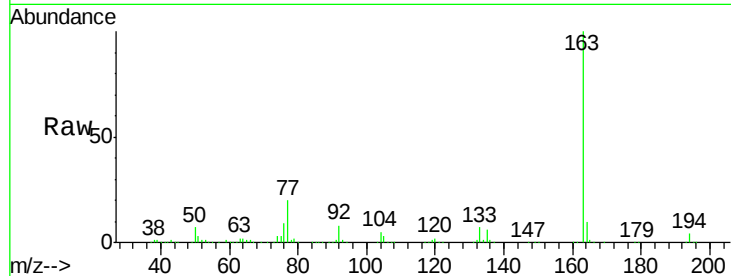
#49
Dimethylphthalate
Concen: 61.44 ng
RT: 9.10 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

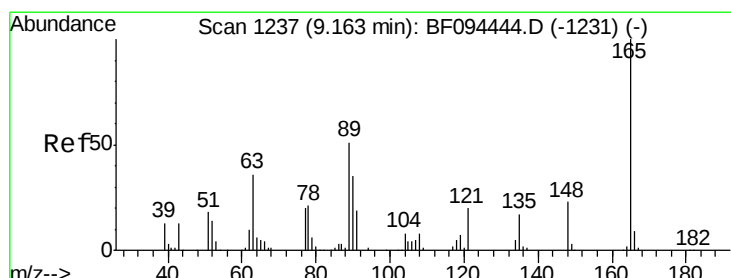
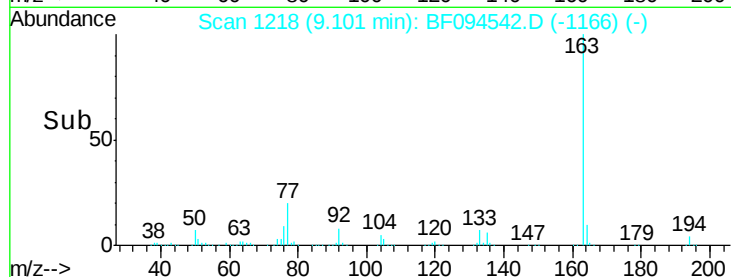
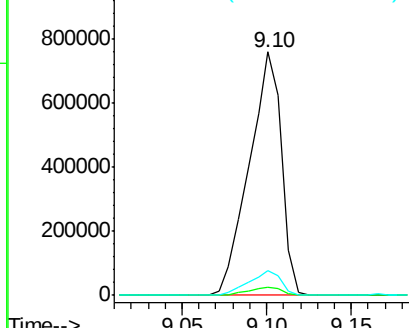
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.1	8.4	12.6

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



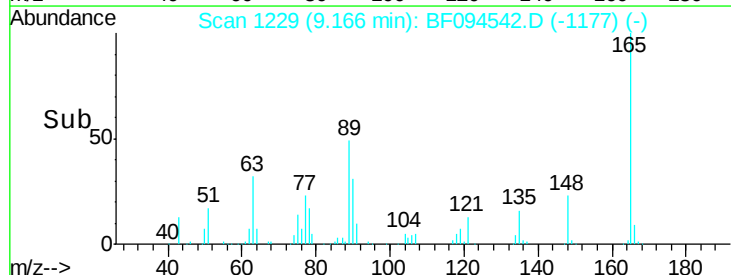
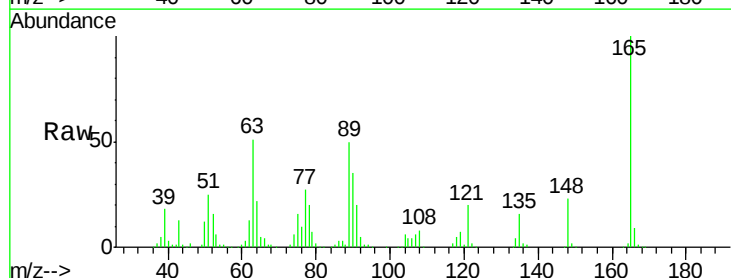
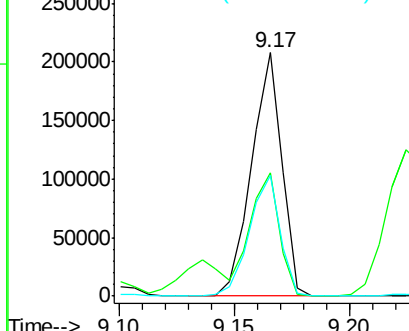
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

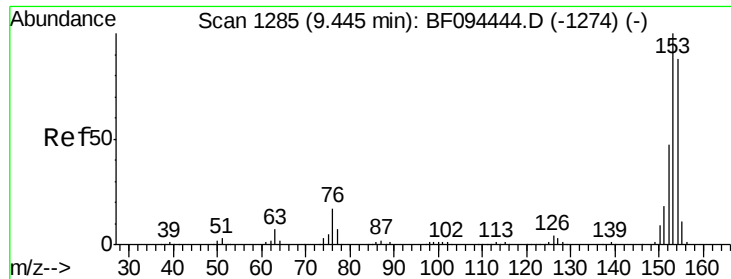


#50
2,6-Dinitrotoluene
Concen: 52.04 ng
RT: 9.17 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	50.8	34.3	51.5
89	49.8	37.1	55.7

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





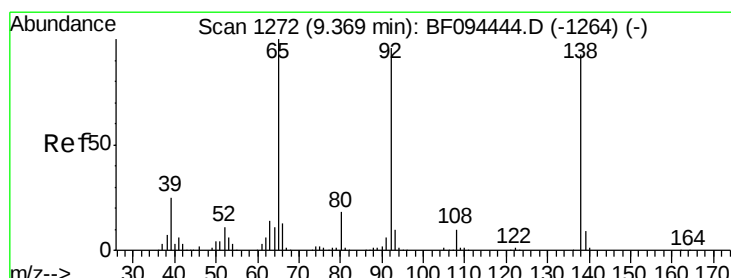
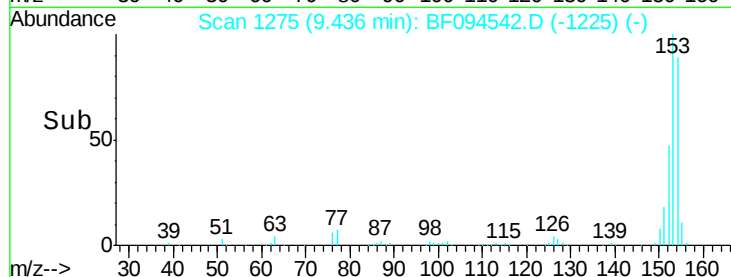
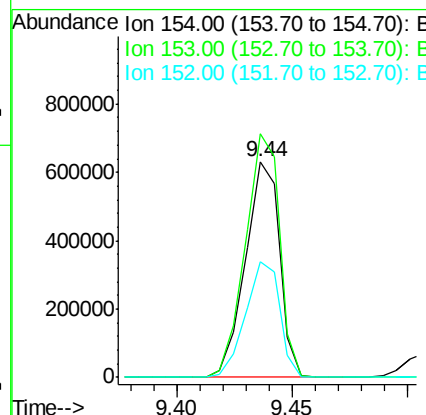
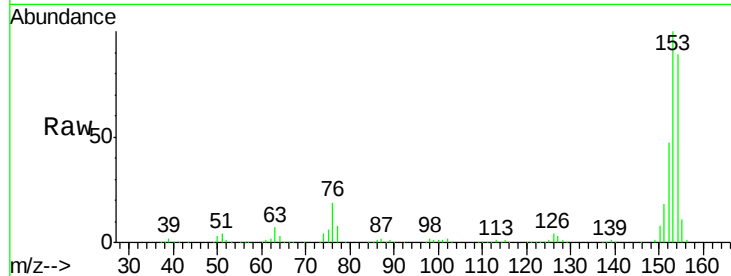
#51
Acenaphthene
Concen: 49.15 ng
RT: 9.44 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.5	135.7
152	53.4	43.6	65.4

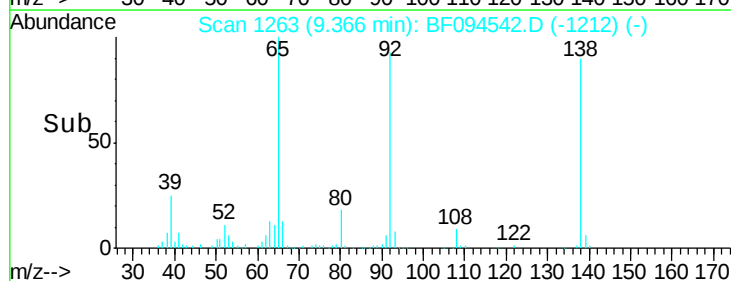
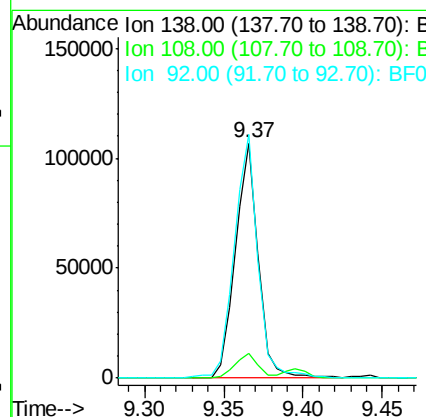
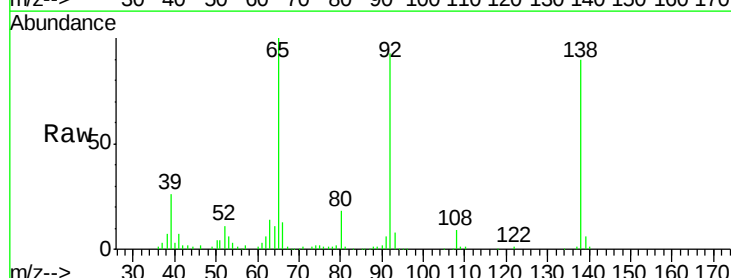
Manual Integrations
APPROVED

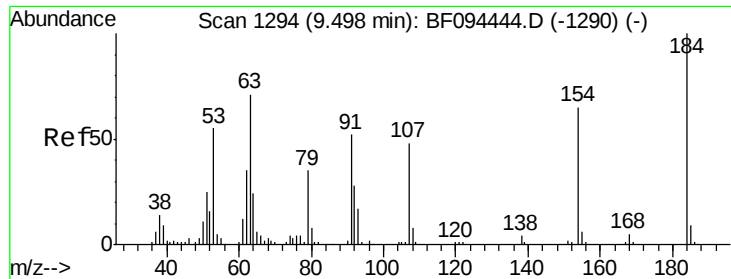
mohammad
4/21/2017 11:36:01 AM



#52
3-Nitroaniline
Concen: 25.19 ng
RT: 9.37 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.3	9.1	13.7
92	103.6	93.8	140.6





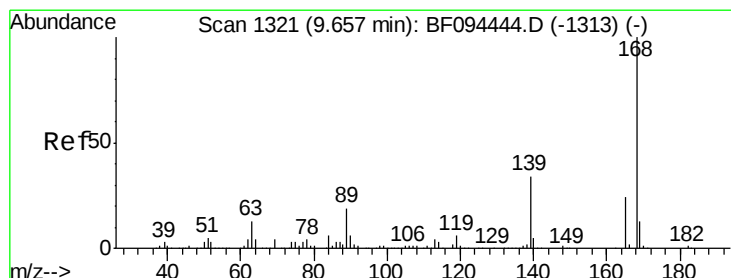
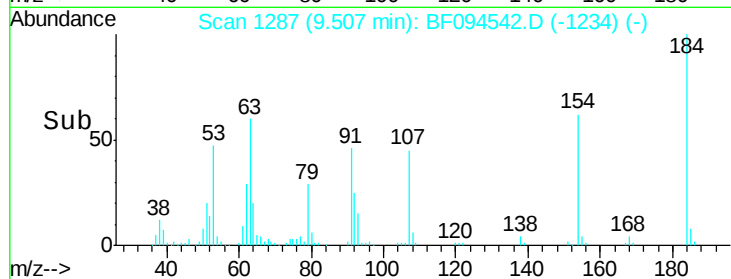
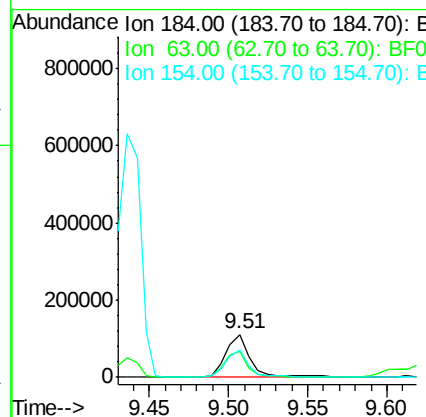
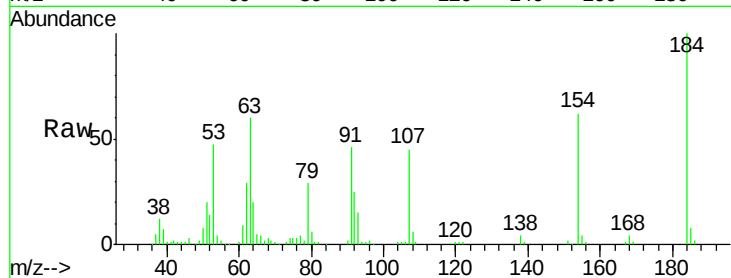
#53
 2,4-Dinitrophenol
 Concen: 61.22 ng
 RT: 9.51 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	118977		
63	59.7	62.7	94.1#	
154	61.8	81.1	121.7#	

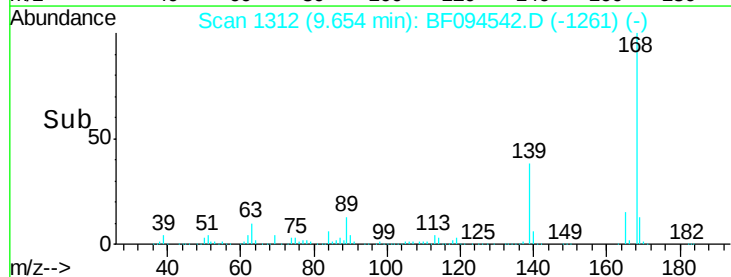
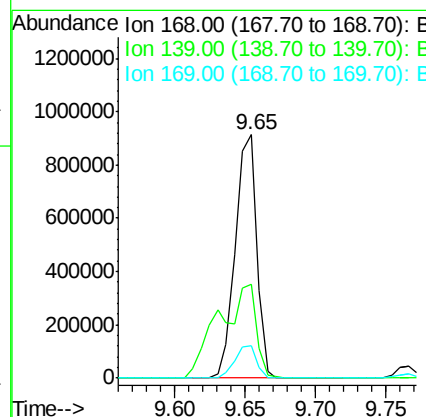
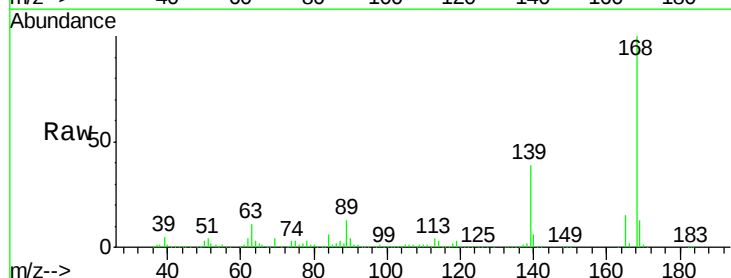
Manual Integrations
 APPROVED

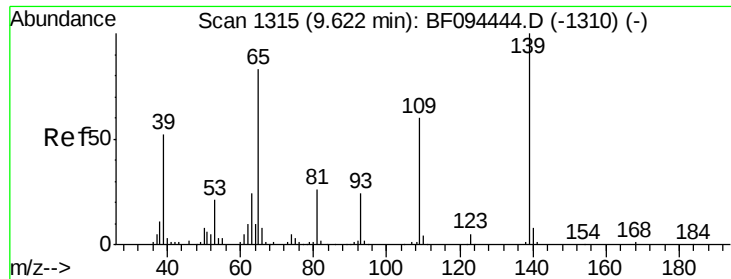
mohammad
 4/21/2017 11:36:01 AM



#54
 Dibenzofuran
 Concen: 49.77 ng
 RT: 9.65 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	962476		
139	38.6	30.6	45.8	
169	13.4	10.8	16.2	





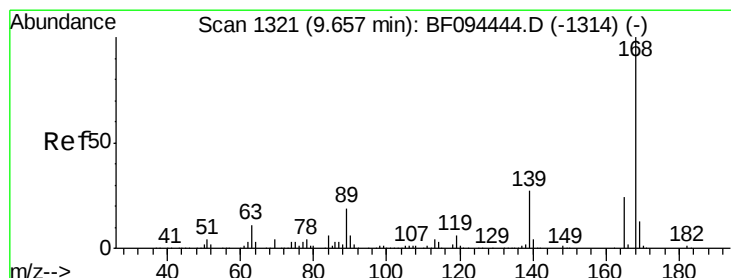
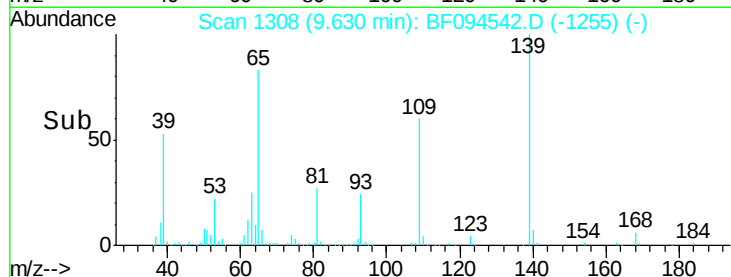
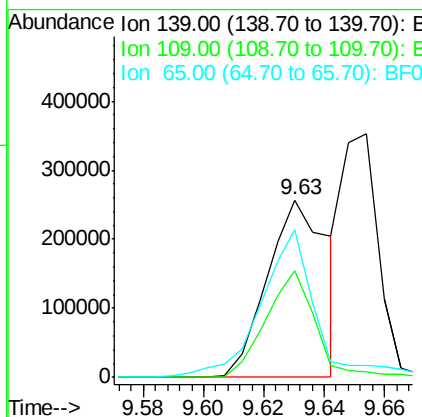
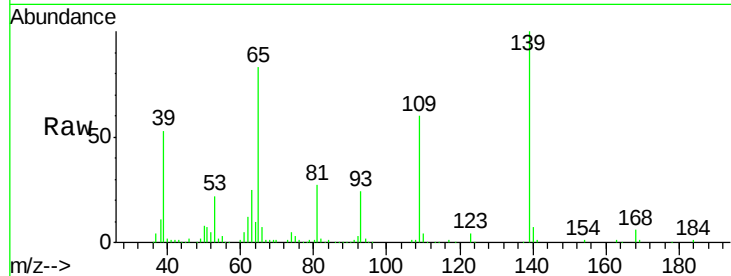
#55
4-Nitrophenol
Concen: 119.84 ng/mL
RT: 9.63 min Scan# 1308
Delta R.T. 0.01 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	59.9	34.1	74.1	
65	83.0	31.4	71.4	

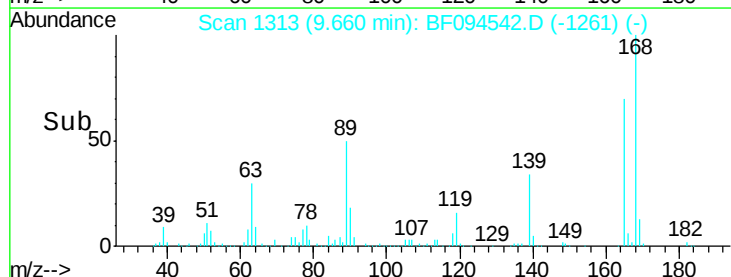
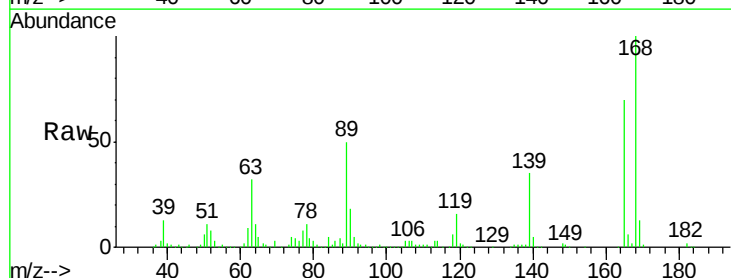
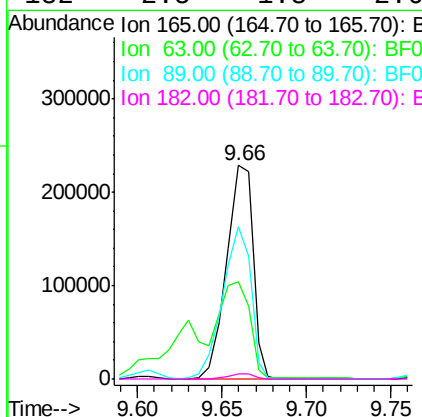
Manual Integrations
APPROVED

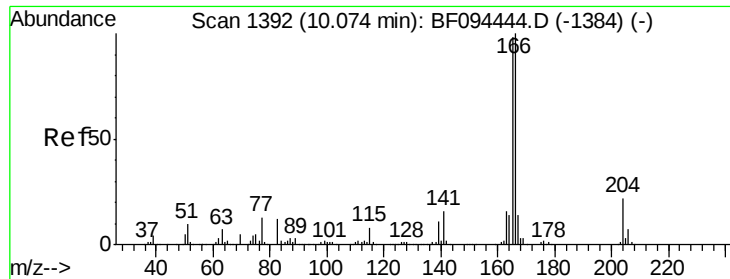
mohammad
4/21/2017 11:36:01 AM



#56
2,4-Dinitrotoluene
Concen: 55.49 ng/mL
RT: 9.66 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	45.8	25.4	38.0	
89	71.3	46.4	69.6	
182	2.5	1.8	2.6	





#57

Fluorene

Concen: 50.38 ng

RT: 10.07 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

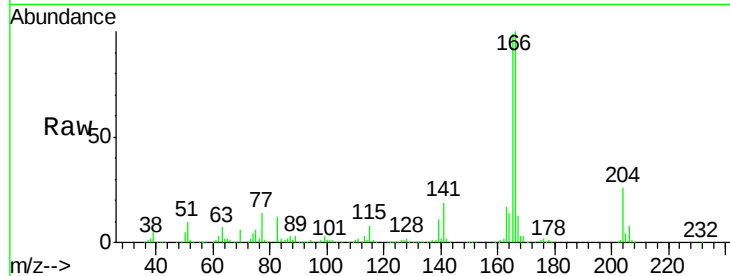
ClientSampleId :

SB-9(18-20)20170418MSD

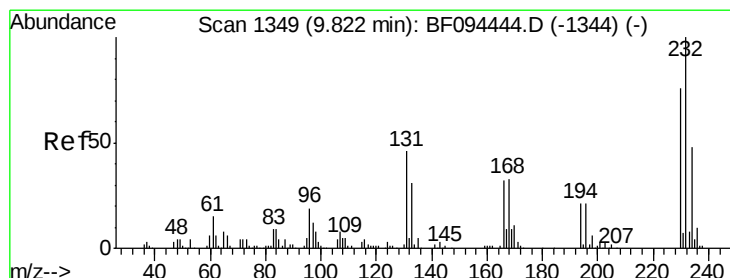
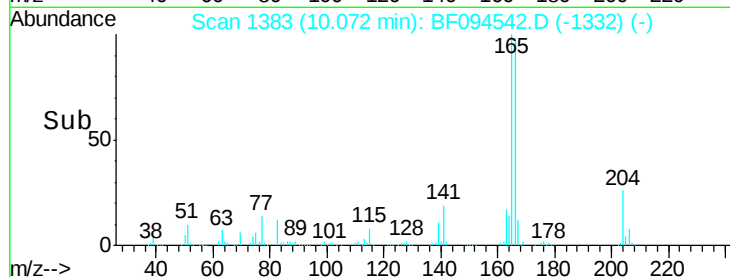
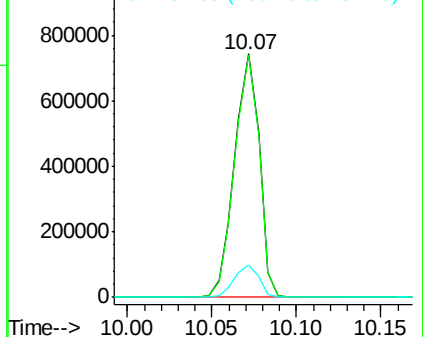
Tot Ion:	166	Resp:	758685
Ion Ratio	Lower	Upper	
166	100		
165	99.4	78.8	118.2
167	13.3	10.6	16.0

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 54.96 ng

RT: 9.82 min Scan# 1340

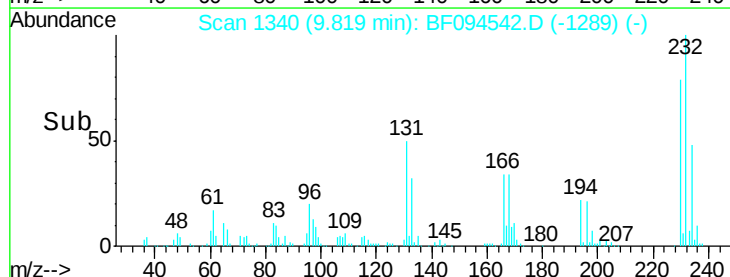
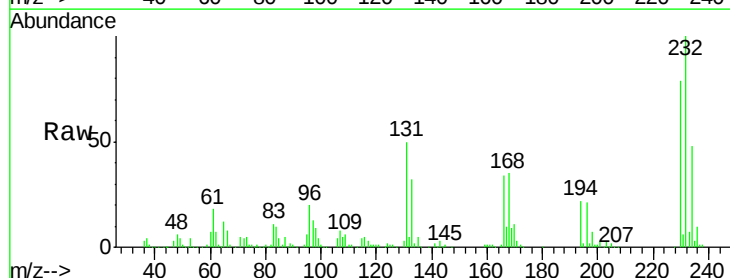
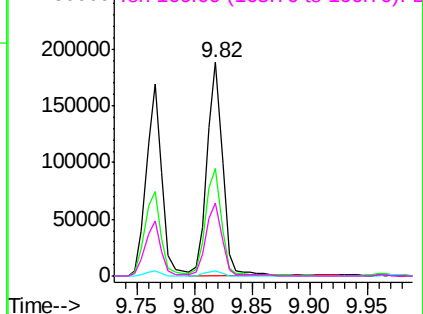
Delta R.T. -0.00 min

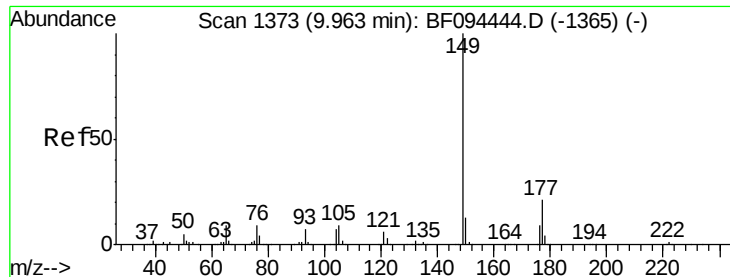
Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion:	232	Resp:	177424
Ion Ratio	Lower	Upper	
232	100		
131	53.5	44.8	67.2
130	2.6	2.3	3.5
166	36.4	29.0	43.4

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





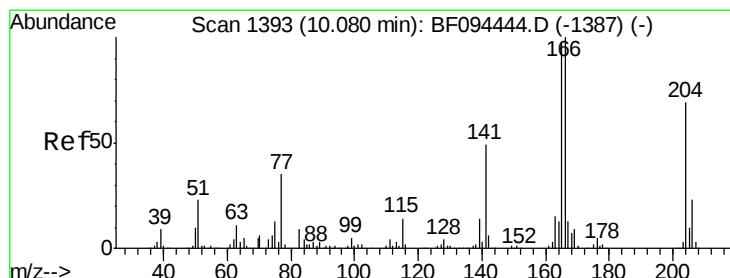
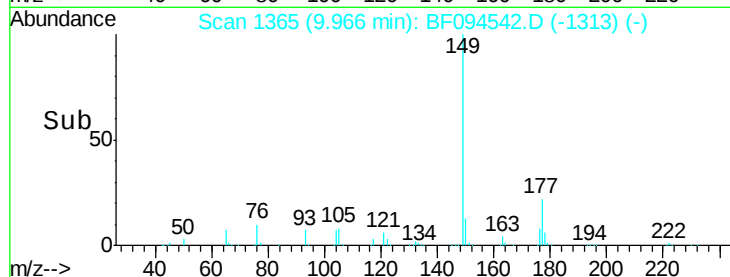
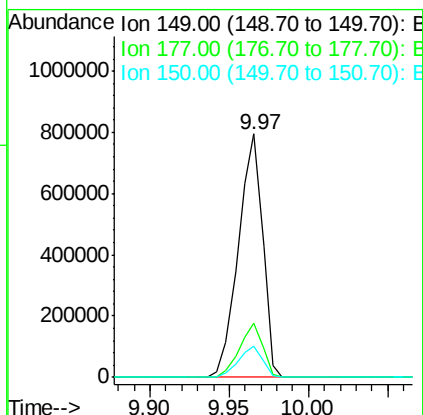
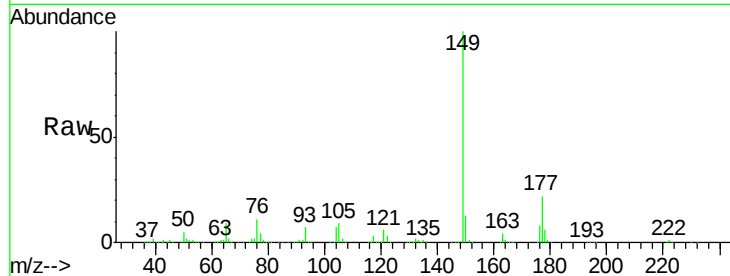
#59
Diethylphthalate
Concen: 54.41 ng
RT: 9.97 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.4	16.7	25.1
150	12.9	10.2	15.2

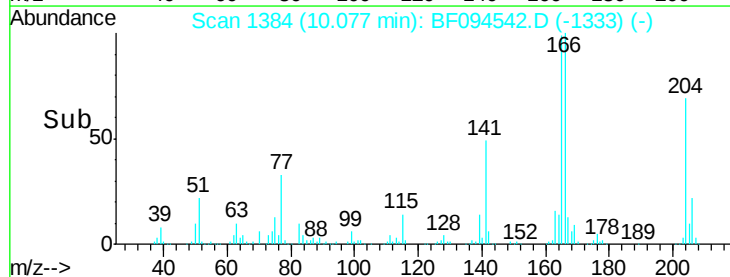
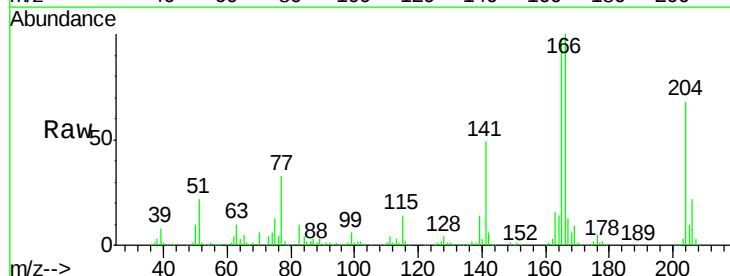
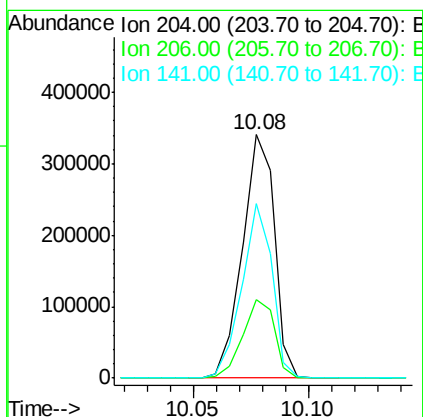
Manual Integrations
APPROVED

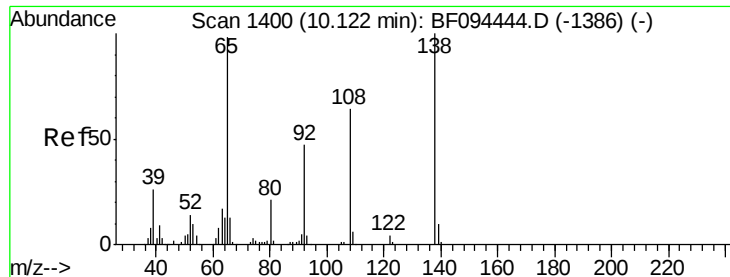
mohammad
4/21/2017 11:36:01 AM



#60
4-Chlorophenyl-phenylether
Concen: 52.88 ng
RT: 10.08 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.2
141	71.7	60.8	91.2





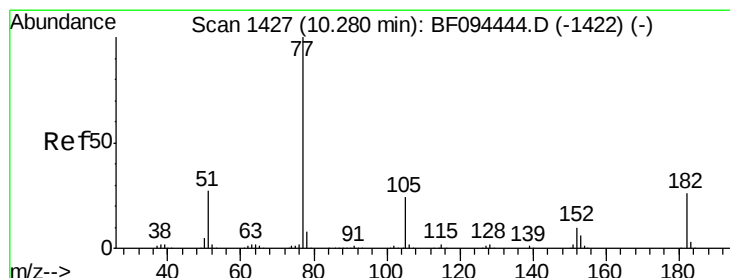
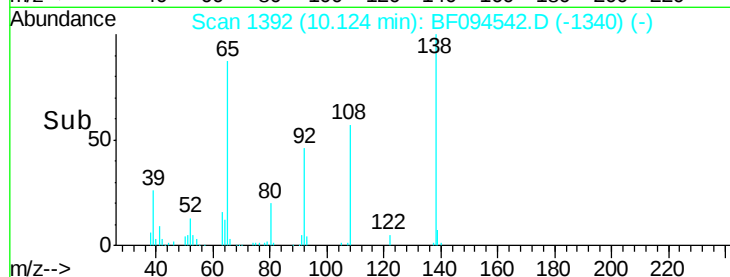
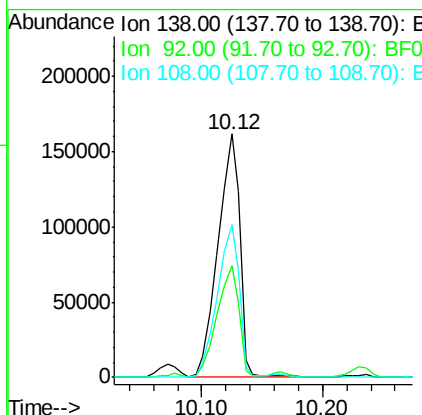
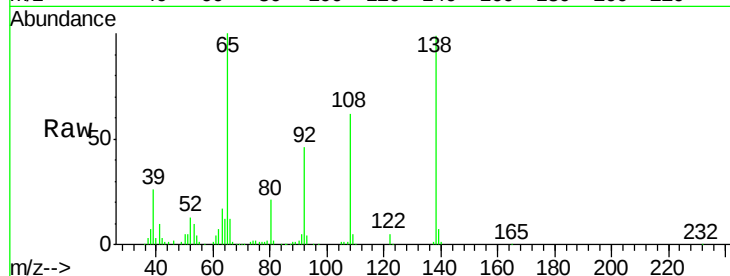
#61
4-Nitroaniline
Concen: 46.93 ng
RT: 10.12 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	46.0	21.8	61.8
108	62.7	42.3	82.3

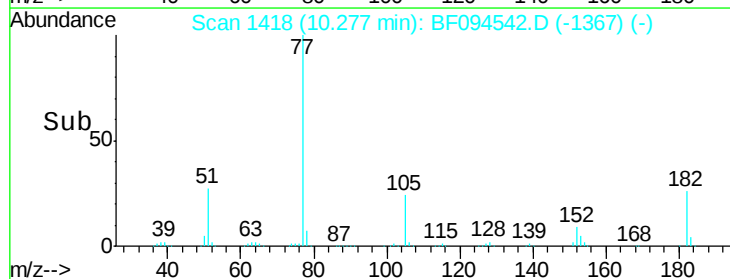
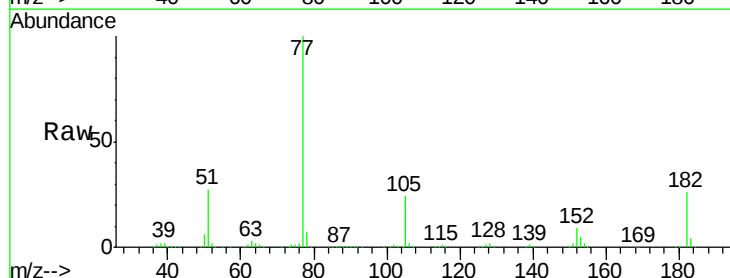
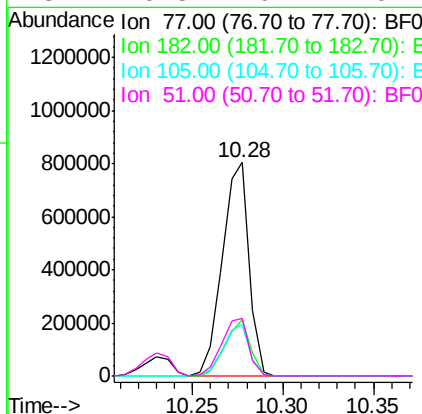
Manual Integrations
APPROVED

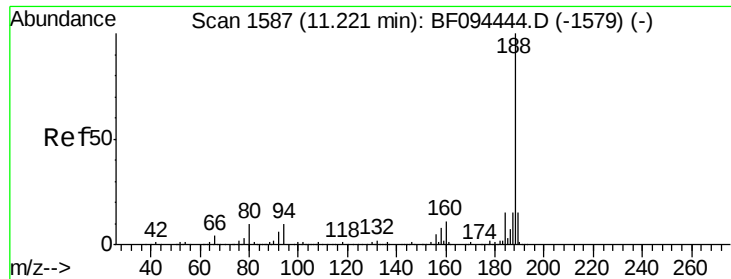
mohammad
4/21/2017 11:36:01 AM



#62
Azobenzene
Concen: 54.84 ng
RT: 10.28 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
77	100		
182	26.1	0.1	40.1
105	24.2	3.6	43.6
51	26.8	9.4	49.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

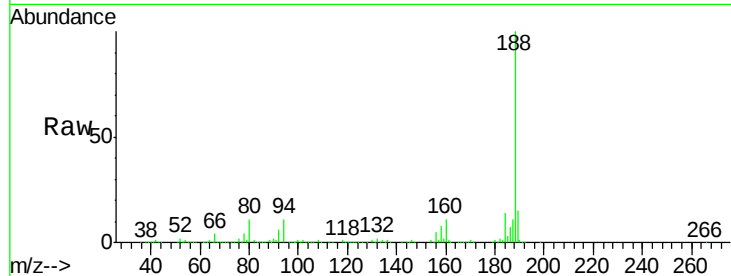
ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion:	188	Resp:	400769
Ion Ratio	Lower	Upper	
188	100		
94	10.8	9.4	14.2
80	11.5	10.2	15.2

Manual Integrations
APPROVED

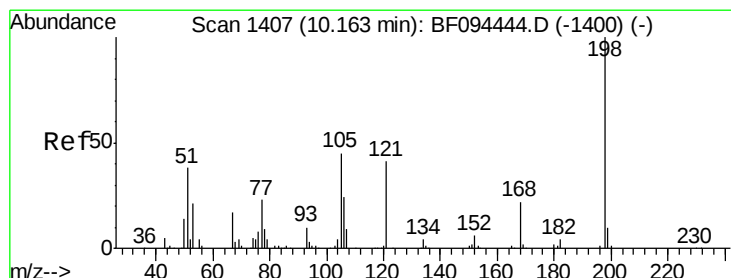
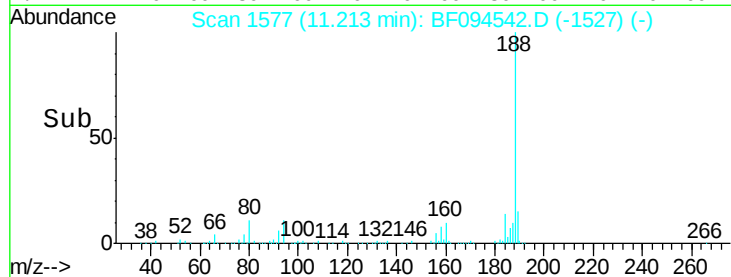
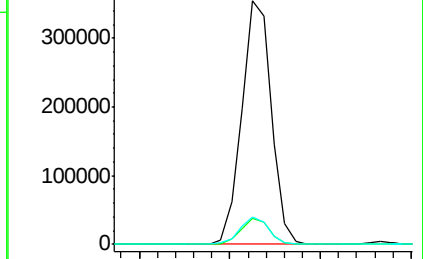
mohammad
4/21/2017 11:36:01 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 50.33 ng

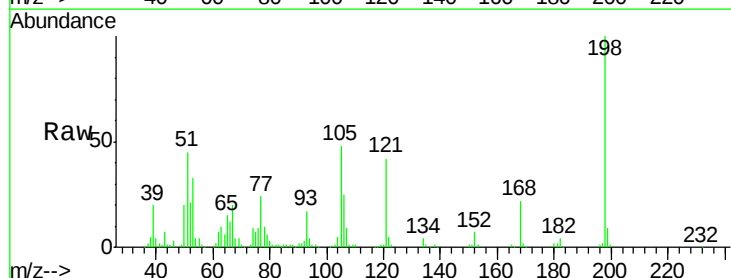
RT: 10.17 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

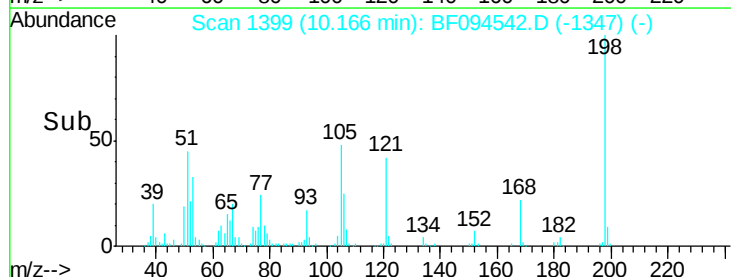
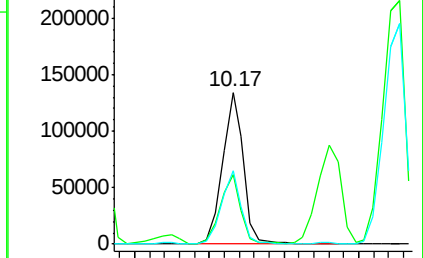
Tgt Ion:	198	Resp:	132168
Ion Ratio	Lower	Upper	
198	100		
51	45.4	53.2	93.2#
105	48.0	45.8	85.8

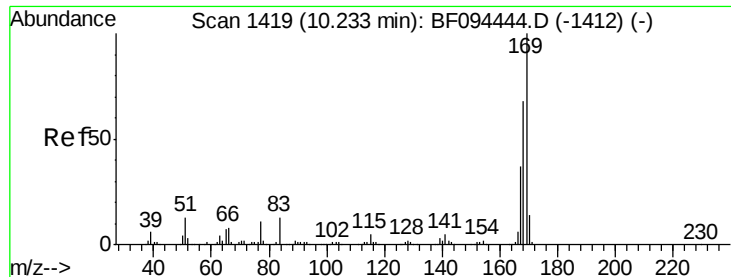


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





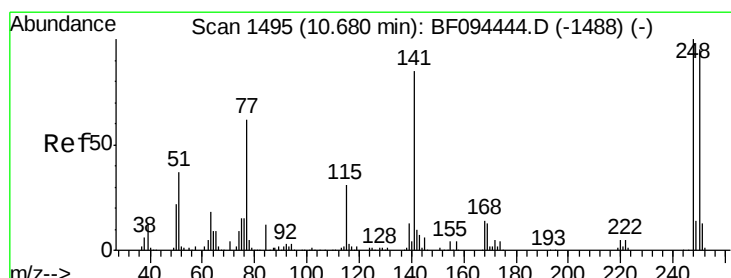
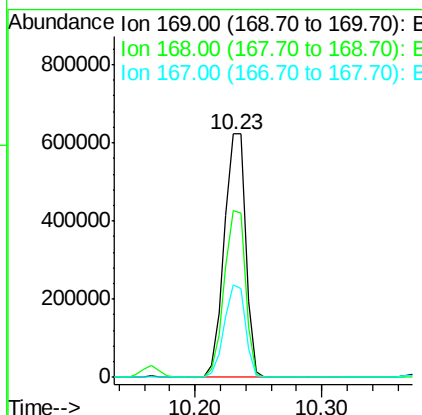
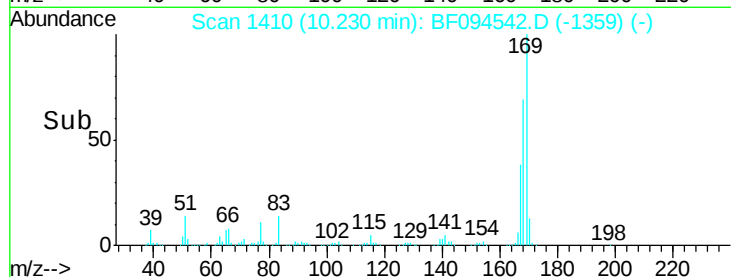
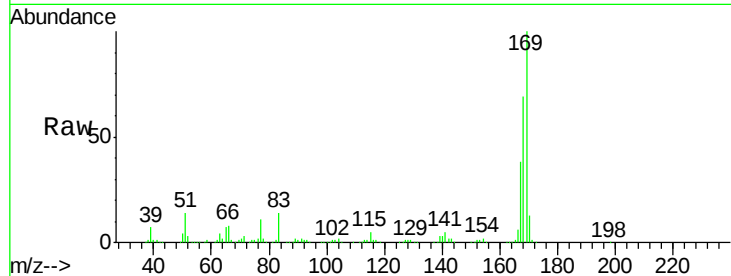
#65
n-Nitrosodiphenylamine
Concen: 52.30 ng
RT: 10.23 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	68.7	53.2	79.8
167	38.1	29.5	44.3

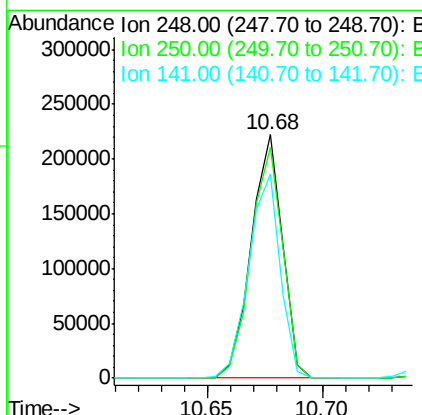
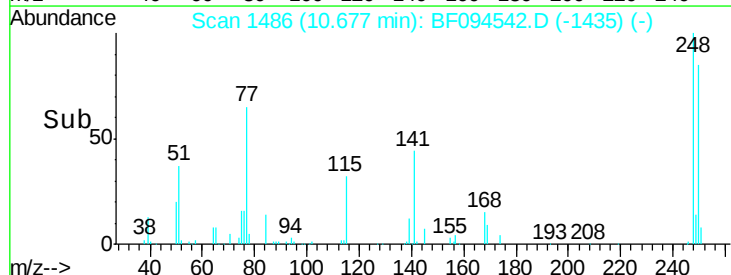
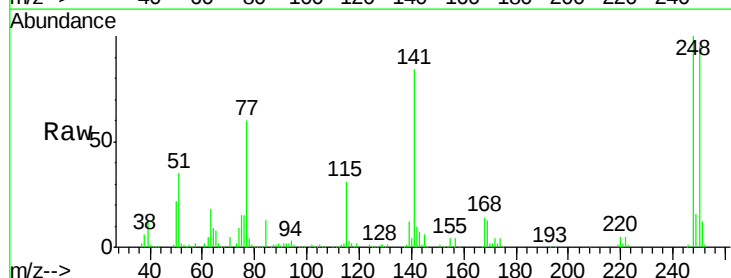
Manual Integrations
APPROVED

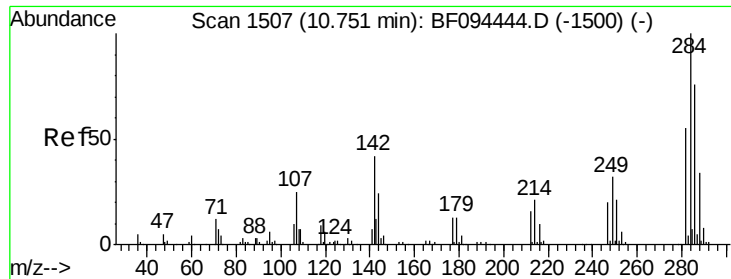
mohammad
4/21/2017 11:36:01 AM



#66
4-Bromophenyl-phenylether
Concen: 52.91 ng
RT: 10.68 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
248	100		
250	94.6	76.8	115.2
141	83.9	68.6	103.0





#67

Hexachlorobenzene

Concen: 51.82 ng

RT: 10.75 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

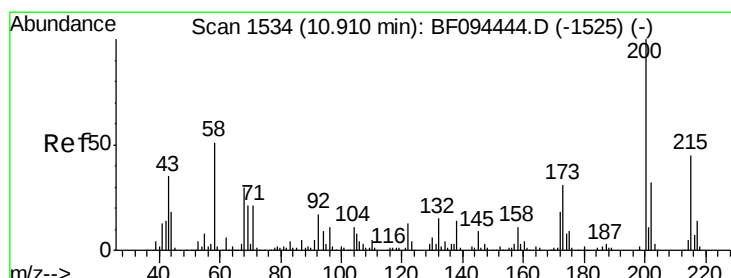
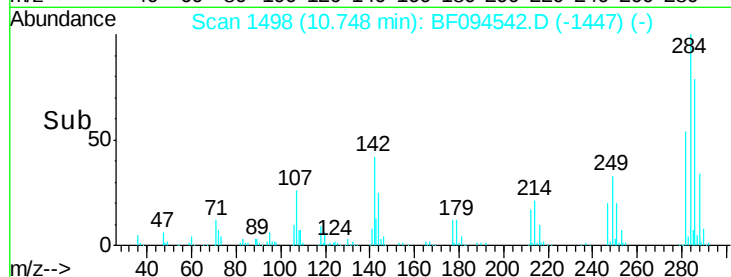
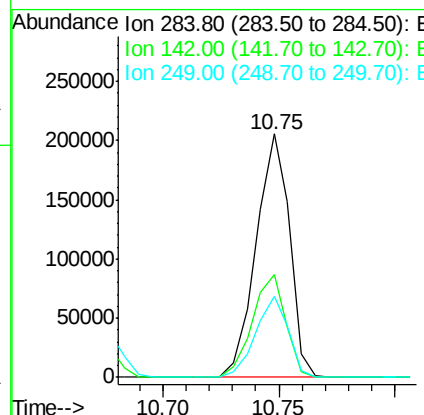
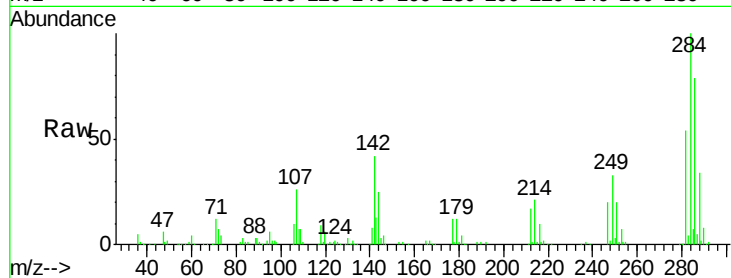
ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion:	284	Resp:	207838
Ion Ratio	Lower	Upper	
284	100		
142	42.4	22.8	34.2#
249	33.1	24.0	36.0

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



#68

Atrazine

Concen: 51.76 ng

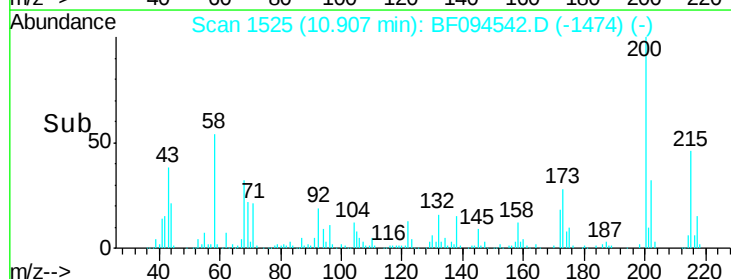
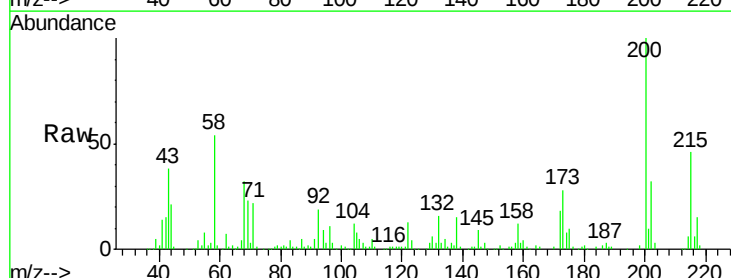
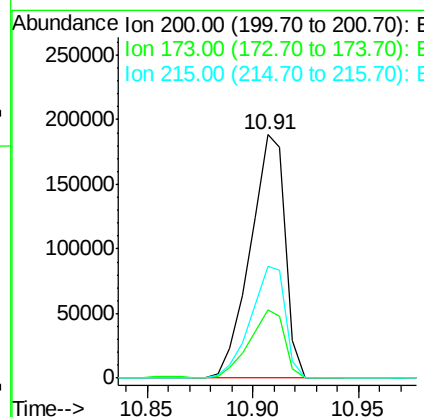
RT: 10.91 min Scan# 1525

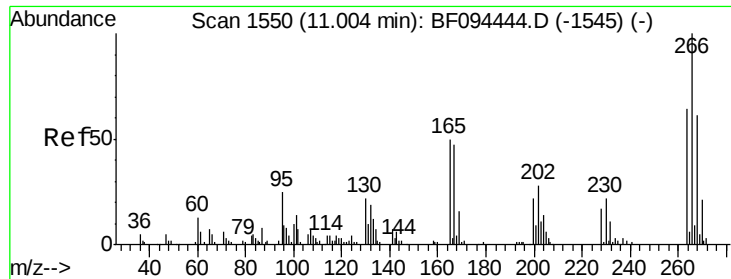
Delta R.T. -0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion:	200	Resp:	215840
Ion Ratio	Lower	Upper	
200	100		
173	27.9	6.3	46.3
215	46.0	27.2	67.2





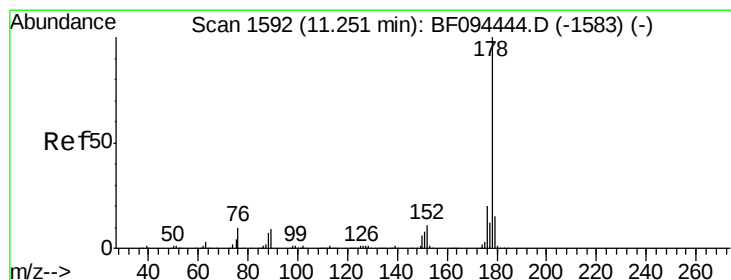
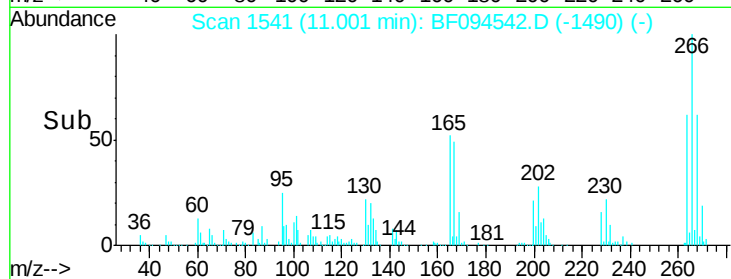
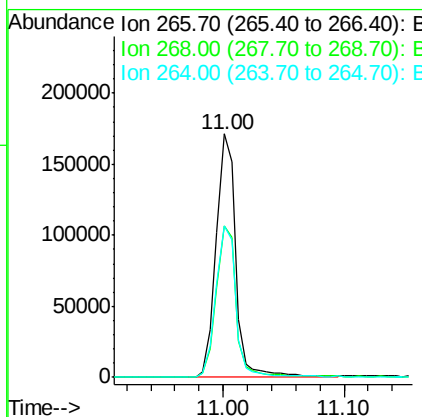
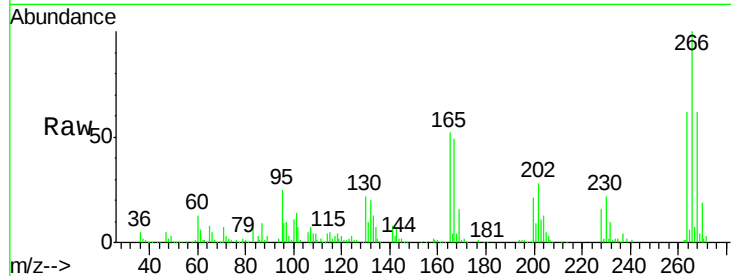
#69
 Pentachlorophenol
 Concen: 120.66 ng
 RT: 11.00 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	192139		
268	62.4	51.1	76.7	
264	62.0	51.7	77.5	

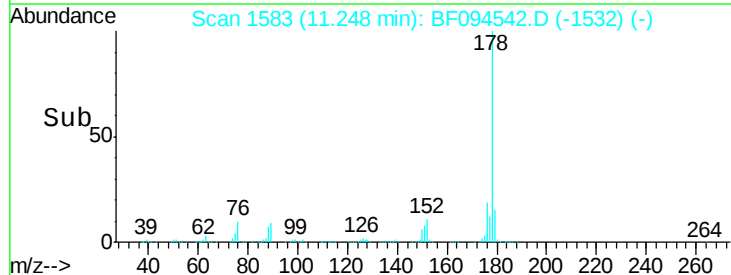
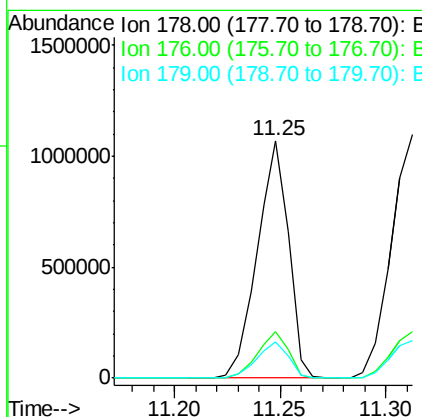
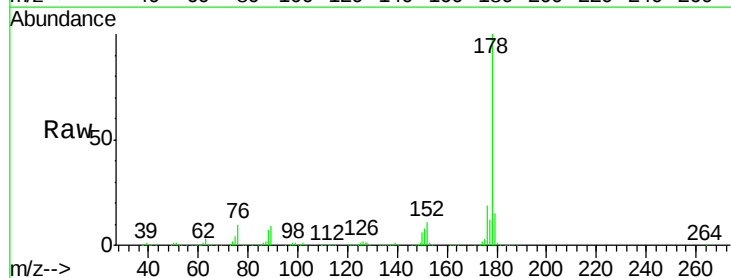
Manual Integrations
 APPROVED

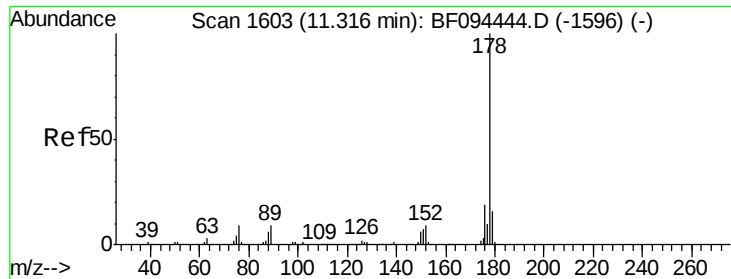
mohammad
 4/21/2017 11:36:01 AM



#70
 Phenanthrene
 Concen: 48.66 ng
 RT: 11.25 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1098264		
176	19.4	16.2	24.4	
179	15.4	12.6	19.0	





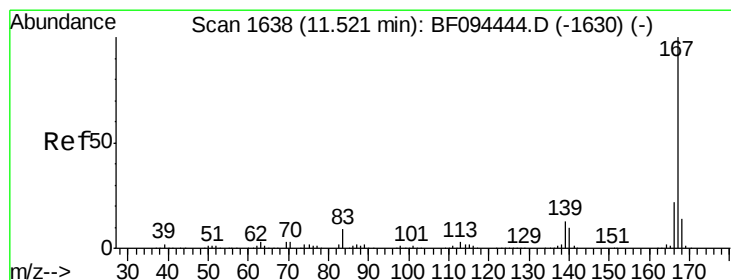
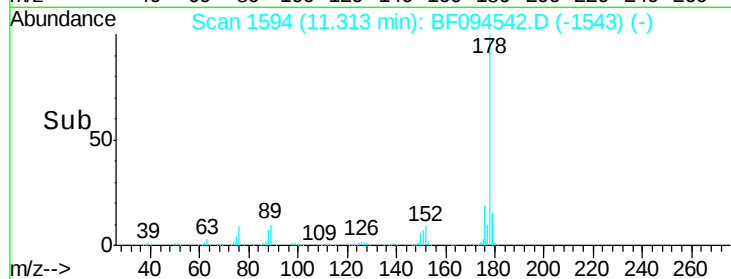
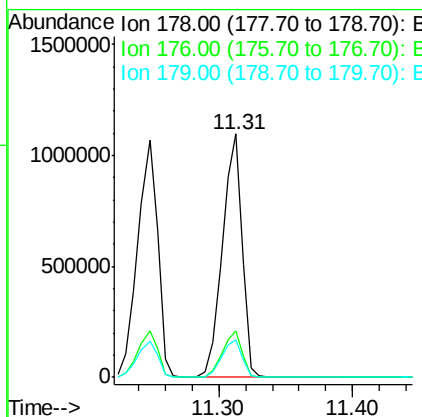
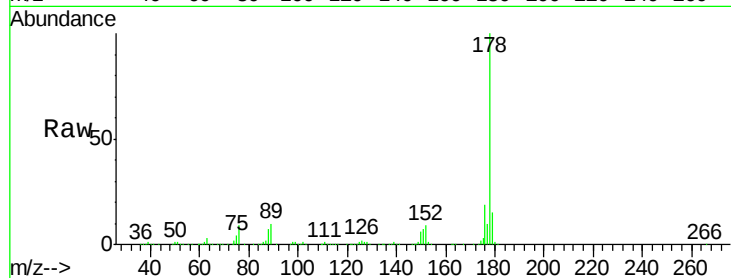
#71
 Anthracene
 Concen: 48.91 ng
 RT: 11.31 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.3	12.7	19.1

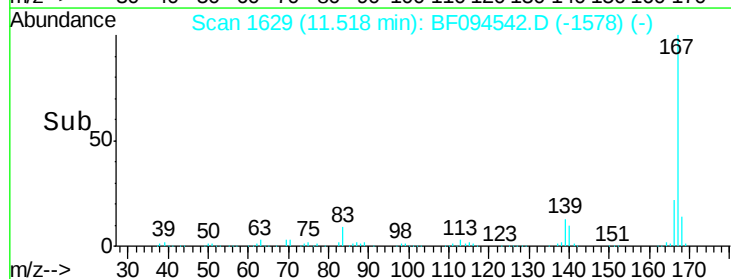
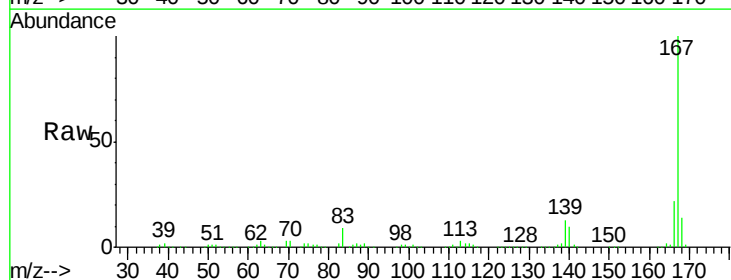
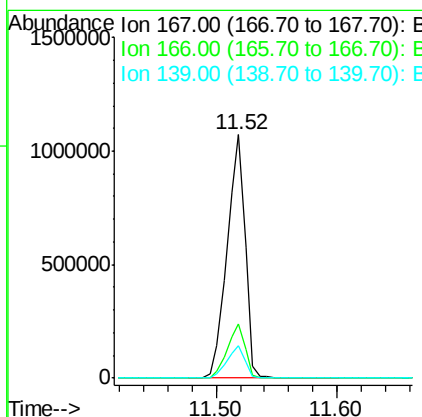
Manual Integrations
 APPROVED

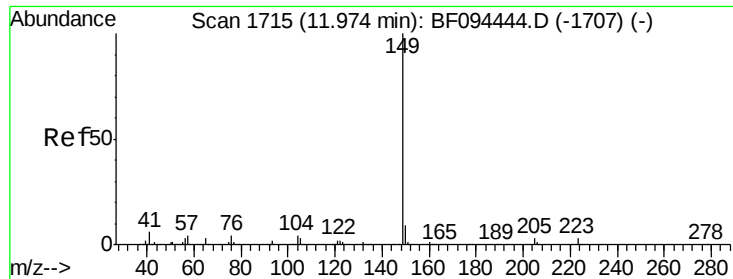
mohammad
 4/21/2017 11:36:01 AM



#72
 Carbazole
 Concen: 50.55 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	13.4	11.7	17.5





#73

Di-n-butylphthalate

Concen: 55.69 ng

RT: 11.97 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

ClientSampleId :

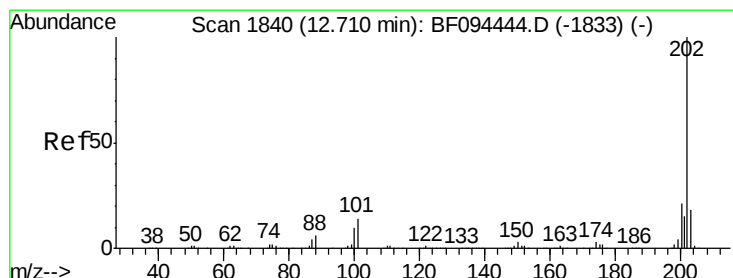
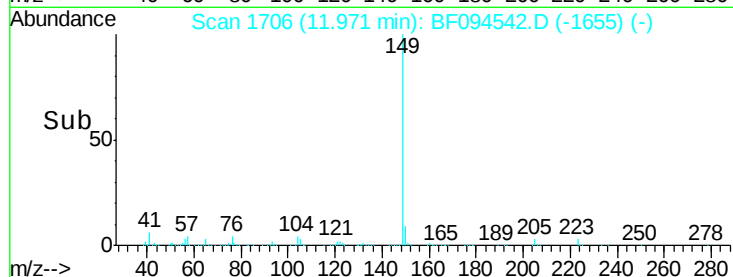
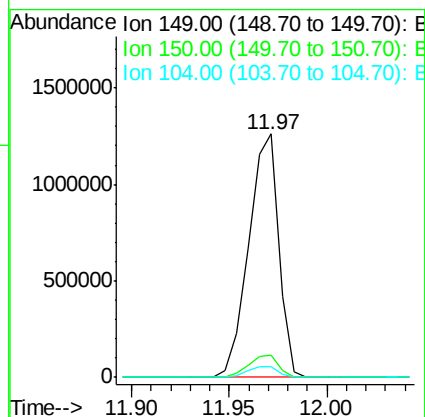
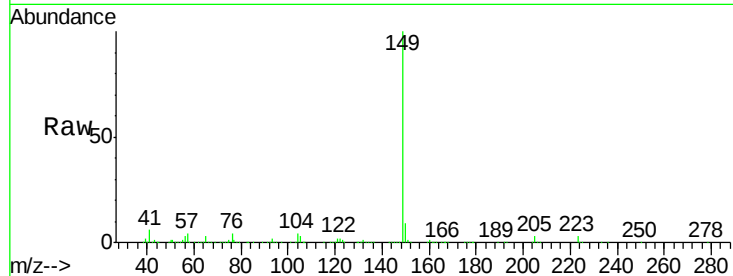
SB-9(18-20)20170418MSD

Tot Ion:149 Resp: 1343637

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	4.2	4.0	6.0

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



#74

Fluoranthene

Concen: 50.21 ng

RT: 12.71 min Scan# 1831

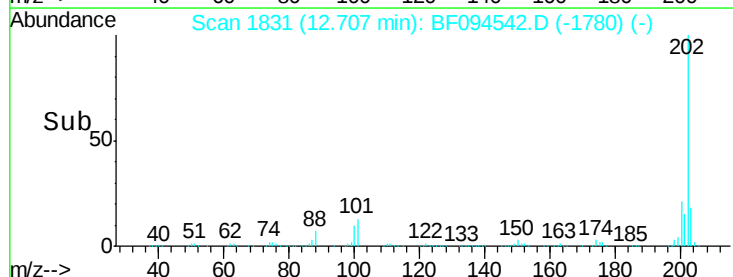
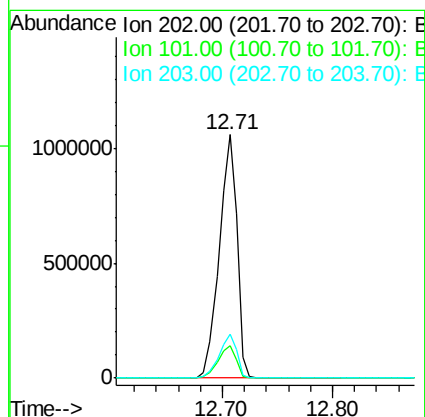
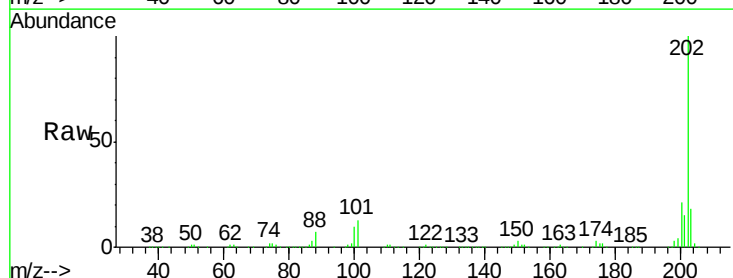
Delta R.T. -0.00 min

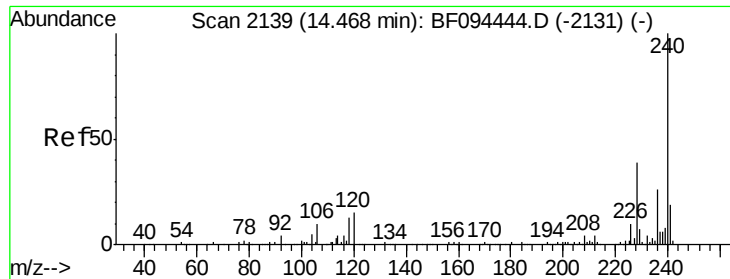
Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion:202 Resp: 1174502

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	18.0	0.0	38.1





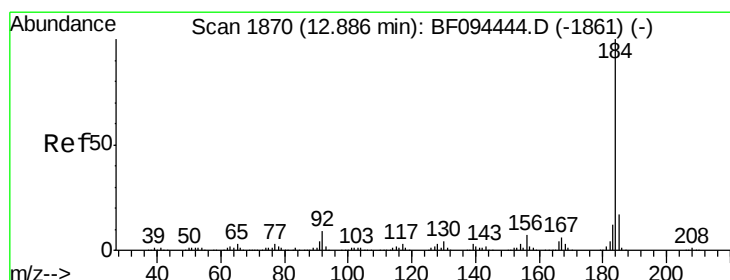
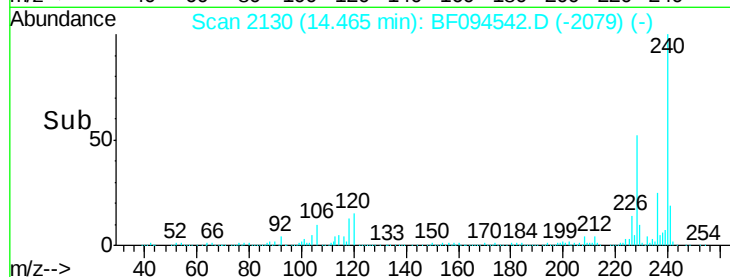
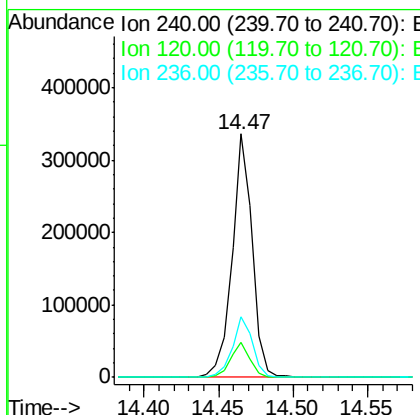
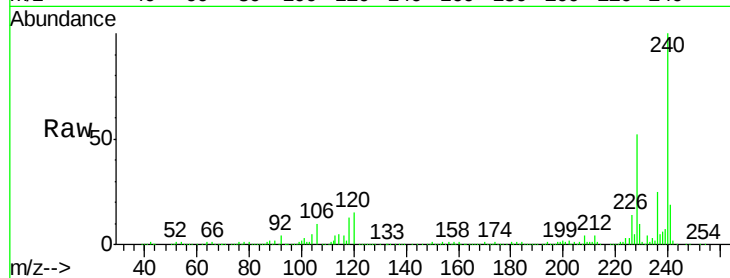
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.47 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	24.9	20.5	30.7

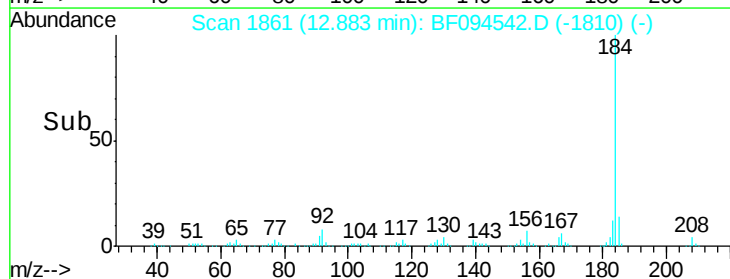
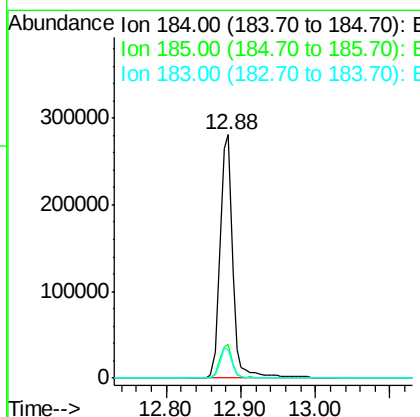
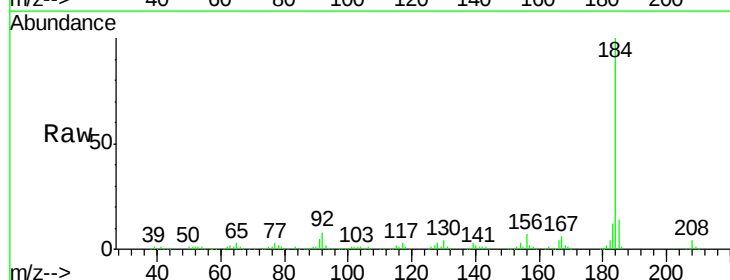
Manual Integrations
APPROVED

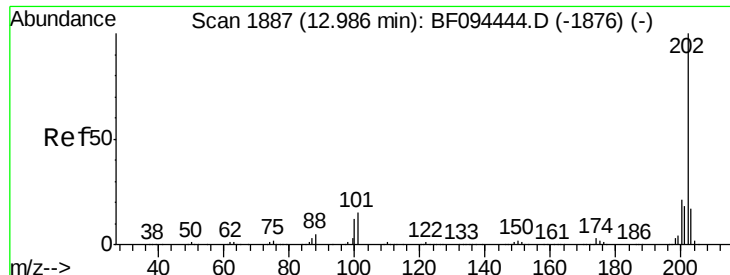
mohammad
4/21/2017 11:36:01 AM



#76
Benzidine
Concen: 25.53 ng
RT: 12.88 min Scan# 1861
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.9	15.5	23.3#
183	11.9	9.8	14.6





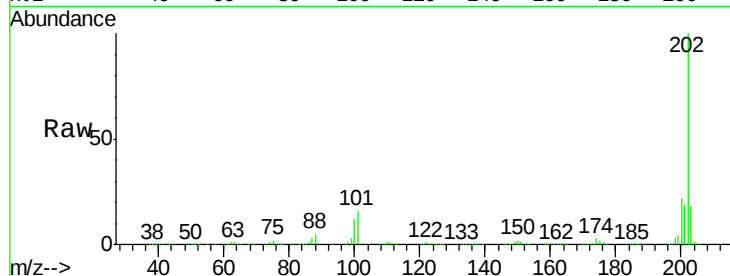
#77
Pvrene
Concen: 51.94 ng
RT: 12.98 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

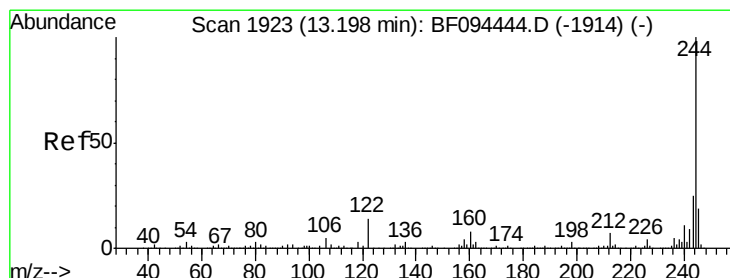
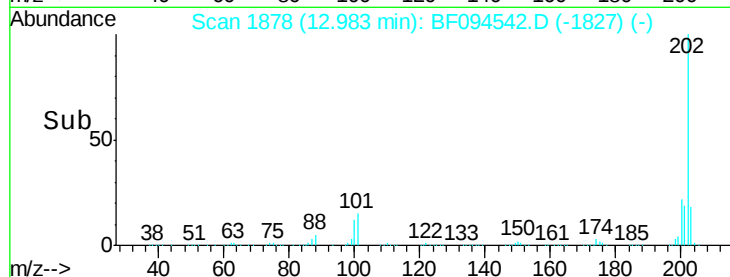
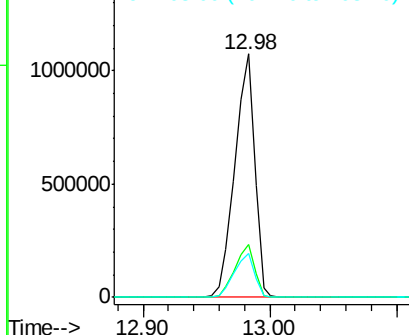
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	18.1	14.4	21.6

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



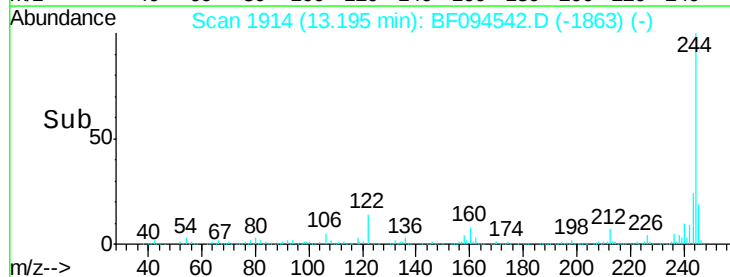
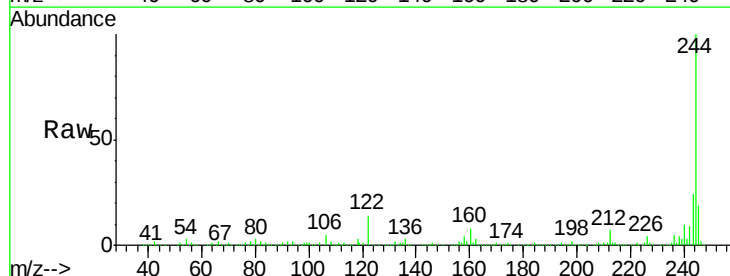
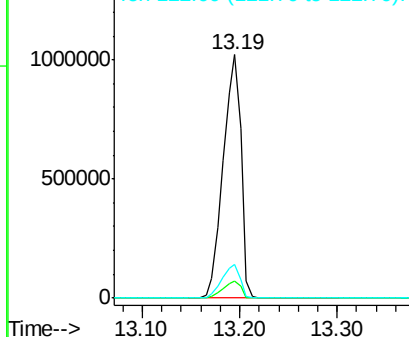
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

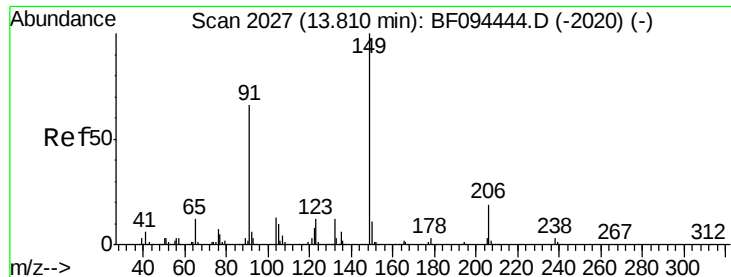


#78
Terphenyl-d14
Concen: 108.04 ng
RT: 13.19 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.9	10.3	15.5

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





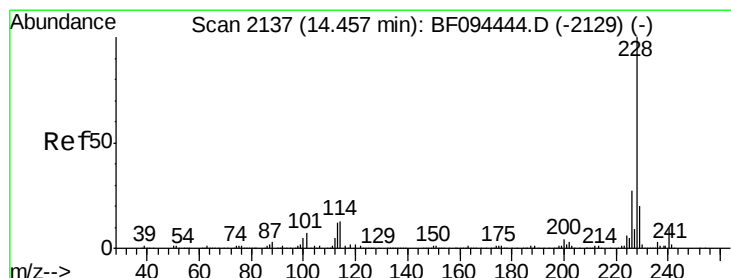
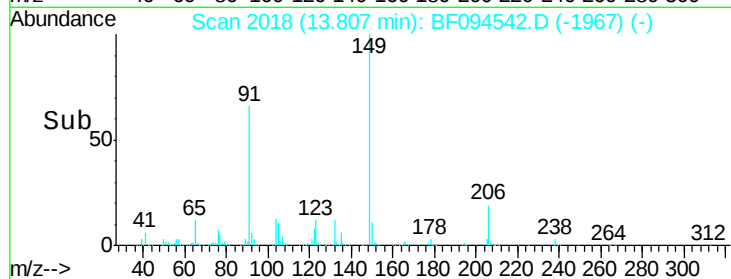
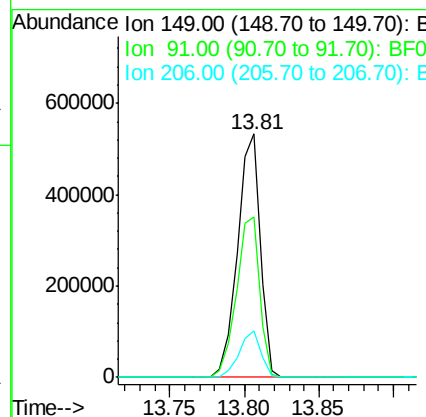
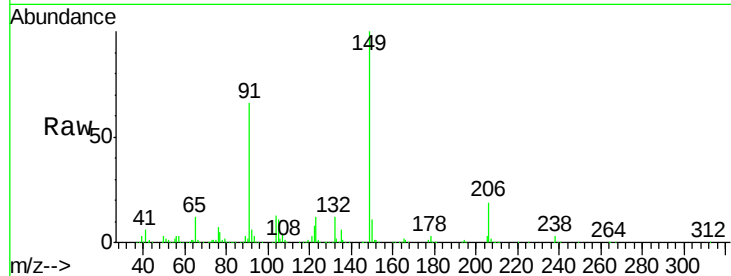
#79
Butylbenzylphthalate
Concen: 58.64 ng
RT: 13.81 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Instrument :
BNA_F
ClientSampleId :
SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	65.7	45.0	67.4
206	19.2	17.0	25.6

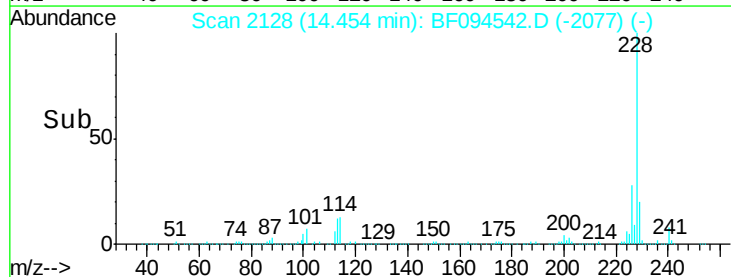
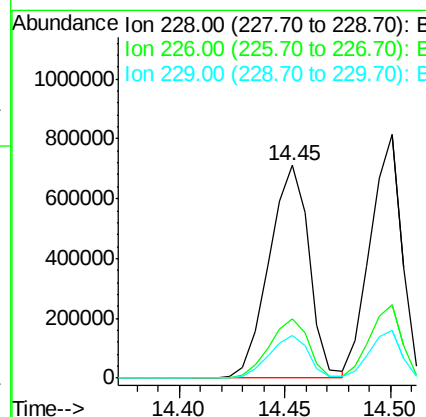
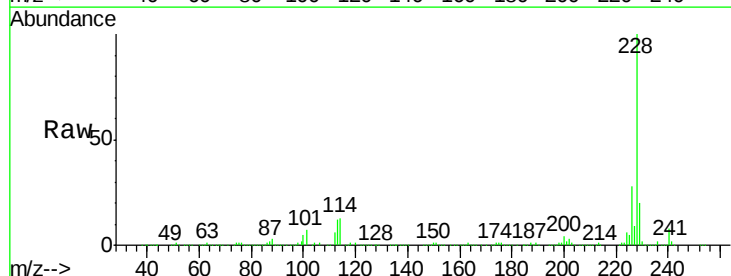
Manual Integrations
APPROVED

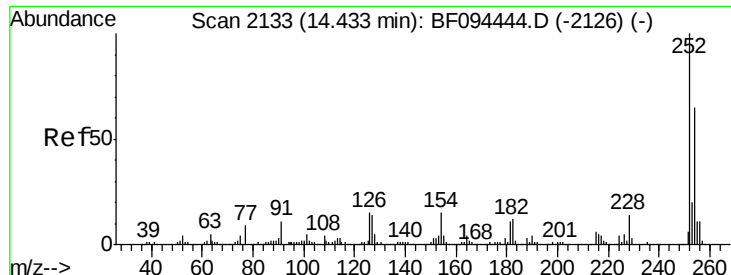
mohammad
4/21/2017 11:36:01 AM



#80
Benzo(a)anthracene
Concen: 50.60 ng
RT: 14.45 min Scan# 2128
Delta R.T. -0.00 min
Lab File: BF094542.D
Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.2	16.3	24.5





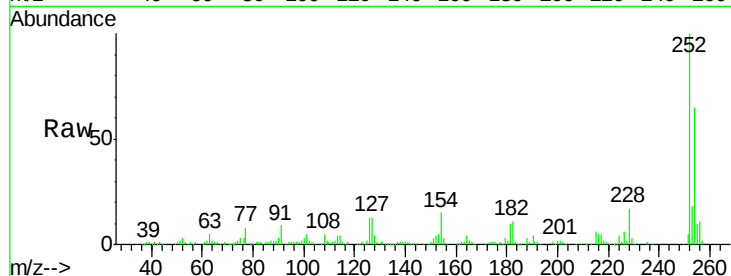
#81
 3,3'-Dichlorobenzidine
 Concen: 31.06 ng
 RT: 14.43 min Scan# 2124
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

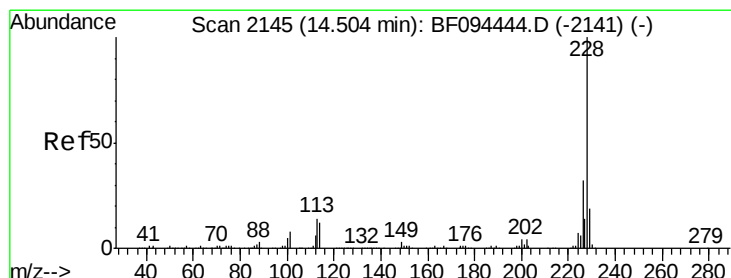
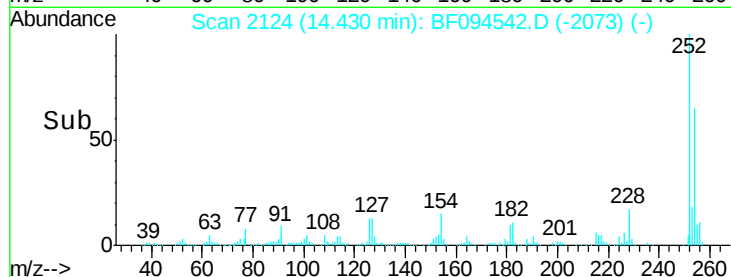
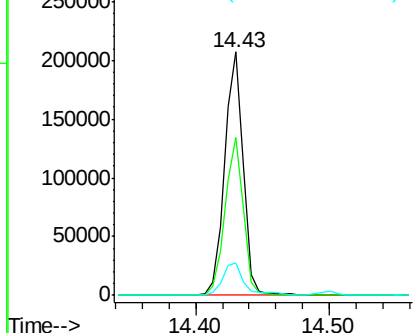
Tot Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.5	77.3
126	13.4	15.8	23.8

Manual Integrations
 APPROVED

mohammad
 4/21/2017 11:36:01 AM

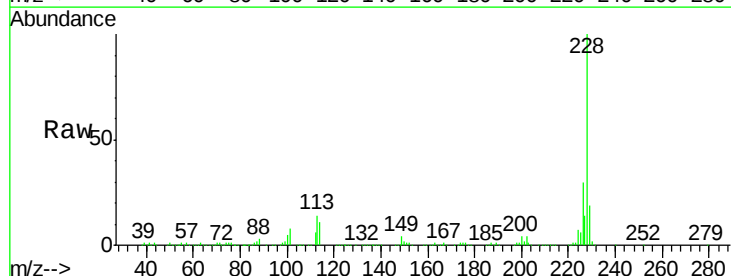


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

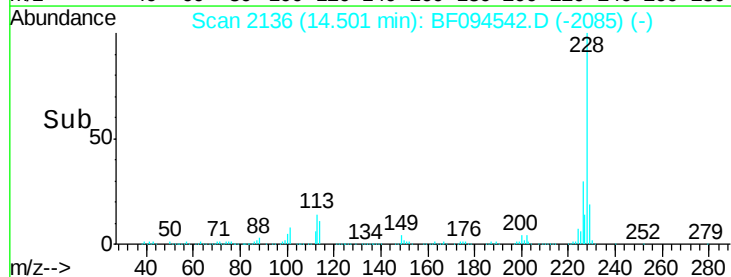
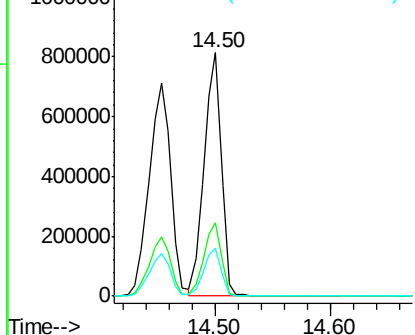


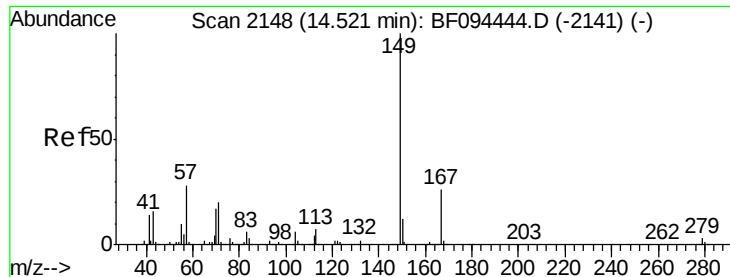
#82
 Chrysene
 Concen: 50.32 ng
 RT: 14.50 min Scan# 2136
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	19.5	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





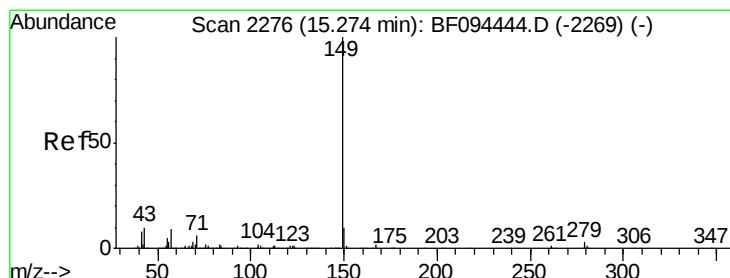
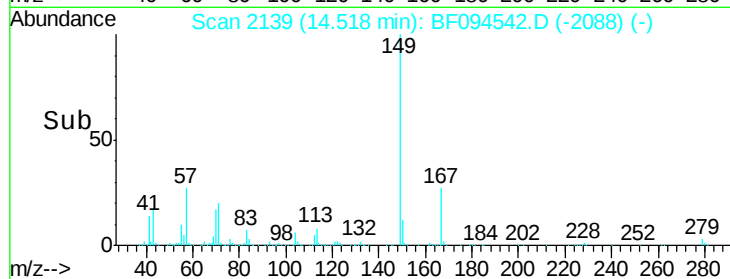
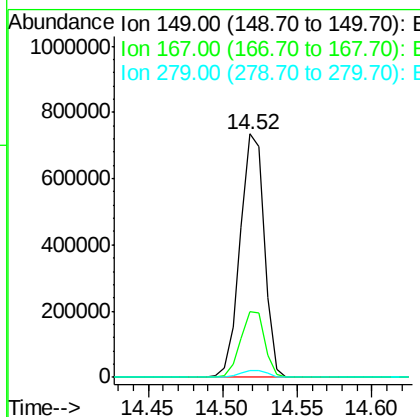
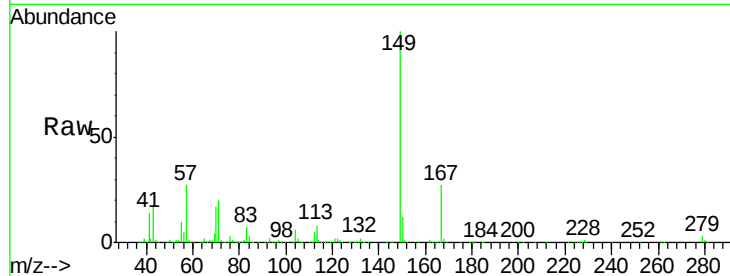
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 63.37 ng
 RT: 14.52 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	829753		
167	27.1		21.0	31.4
279	2.9		1.9	2.9#

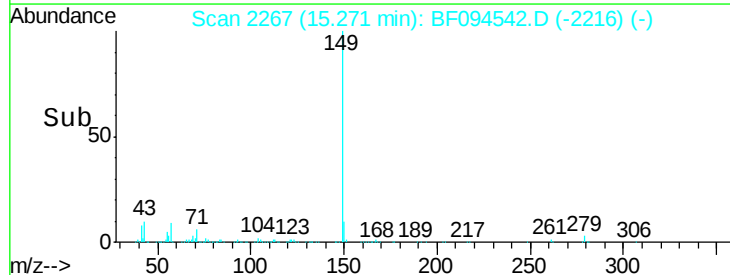
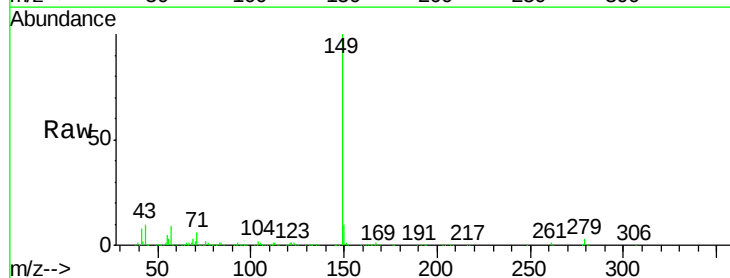
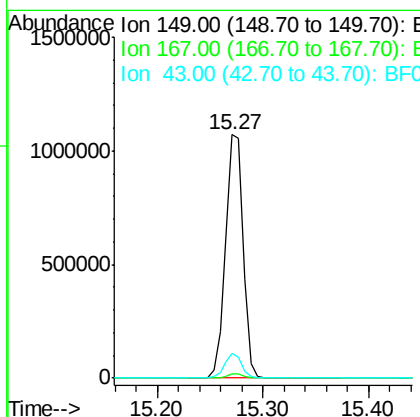
Manual Integrations
 APPROVED

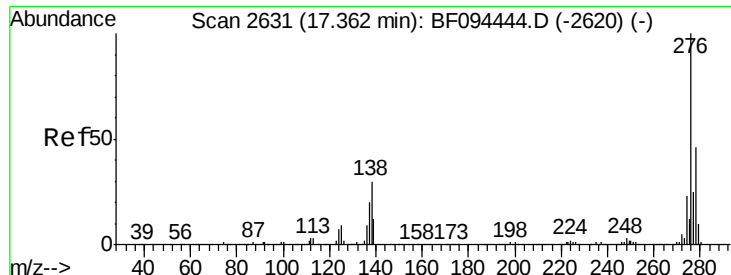
mohammad
 4/21/2017 11:36:01 AM



#84
 Di-n-octyl phthalate
 Concen: 56.15 ng
 RT: 15.27 min Scan# 2267
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1233289		
167	1.6		1.2	1.8
43	9.5		8.5	12.7





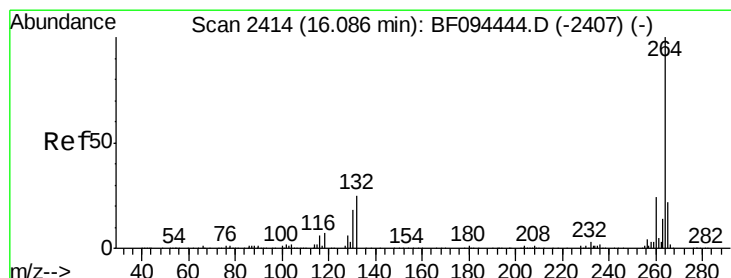
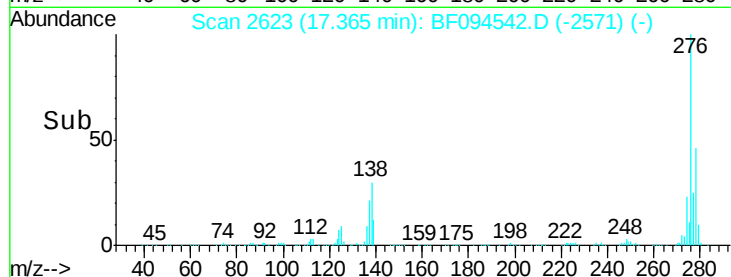
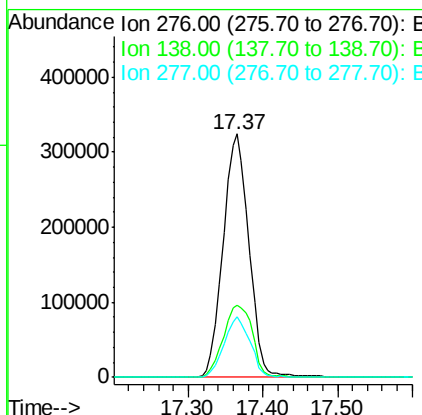
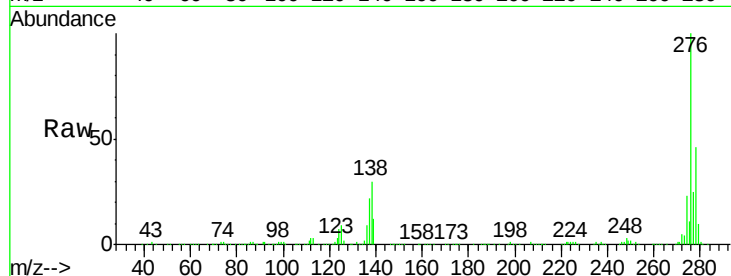
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 48.60 ng
 RT: 17.37 min Scan# 2623
 Delta R.T. 0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.6	27.8	41.6
277	25.0	20.2	30.4

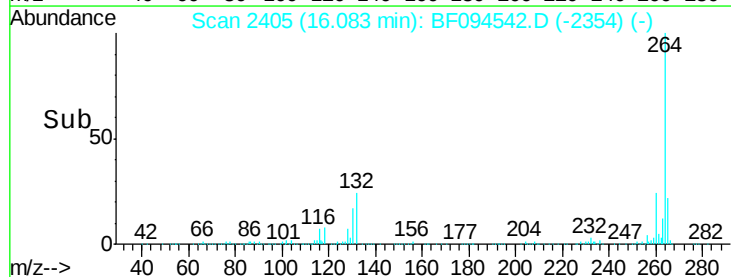
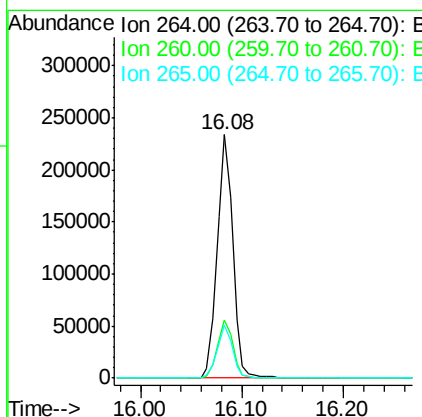
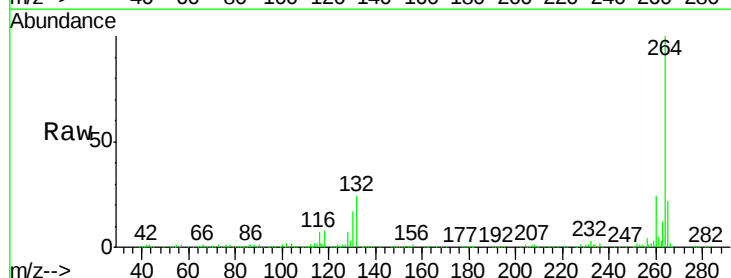
Manual Integrations
 APPROVED

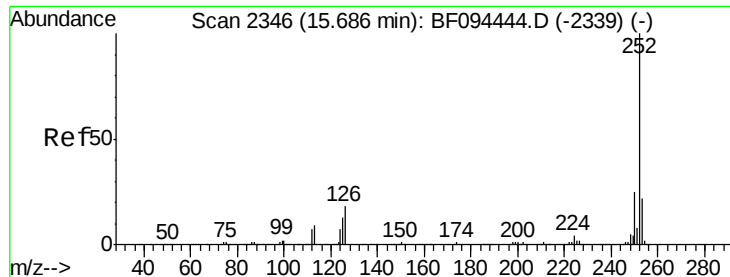
mohammad
 4/21/2017 11:36:01 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 48.35 ng

RT: 15.69 min Scan# 2338

Delta R.T. 0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

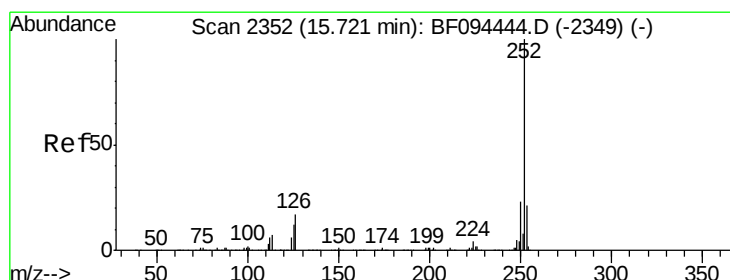
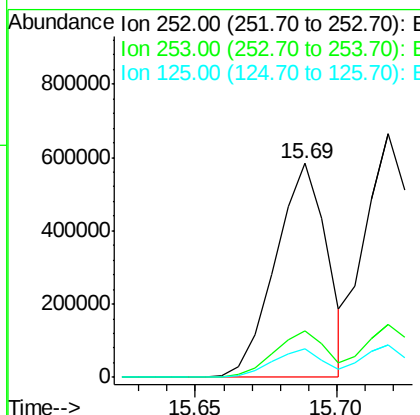
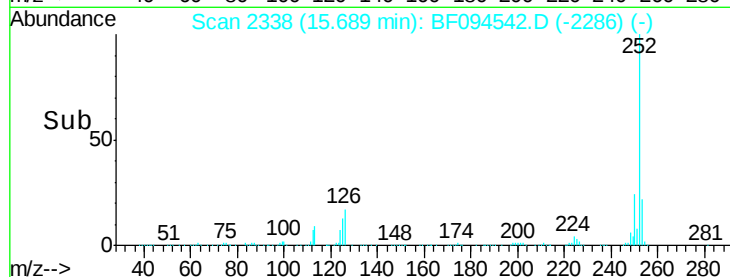
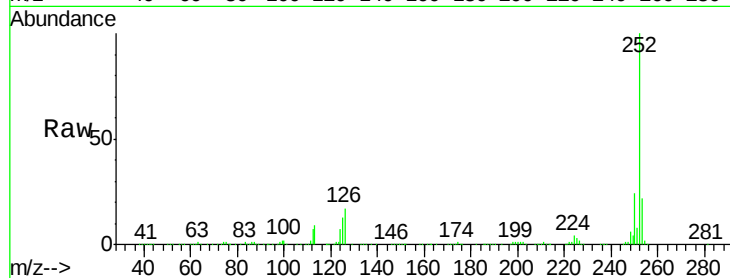
ClientSampleId :

SB-9(18-20)20170418MSD

Tot Ion:252	Resp:	741620
Ion Ratio	Lower	Upper
252	100	
253	21.8	18.1 27.1
125	13.5	9.8 14.8

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



#88

Benzo(k)fluoranthene

Concen: 50.57 ng

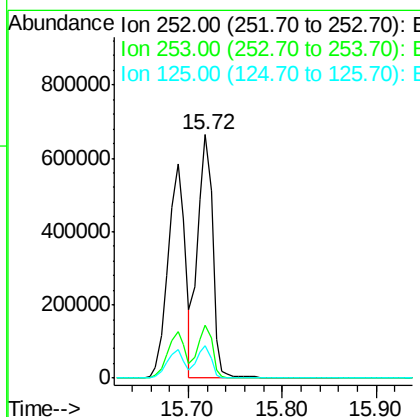
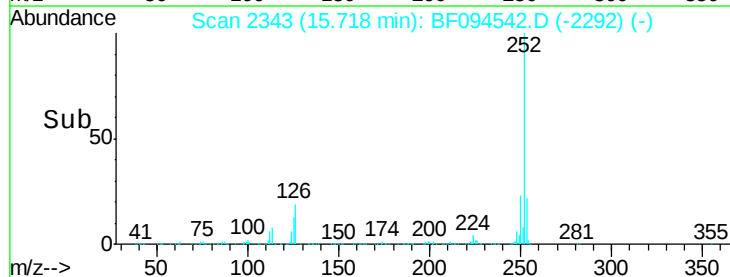
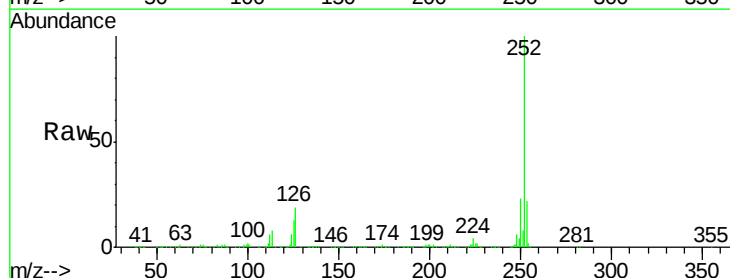
RT: 15.72 min Scan# 2343

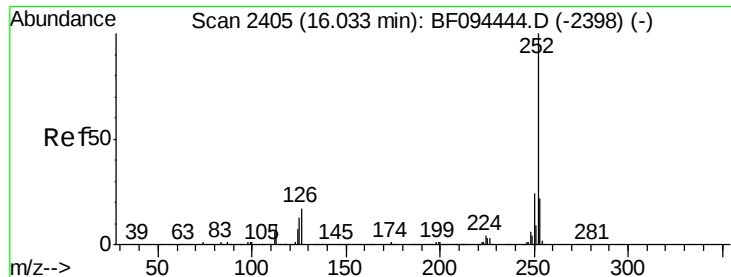
Delta R.T. -0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion:252	Resp:	734097
Ion Ratio	Lower	Upper
252	100	
253	21.9	18.4 27.6
125	13.3	13.1 19.7





#89

Benzo(a)pyrene

Concen: 50.07 ng

RT: 16.03 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Instrument :

BNA_F

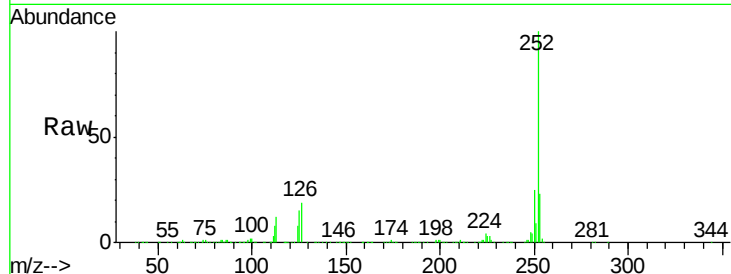
ClientSampleId :

SB-9(18-20)20170418MSD

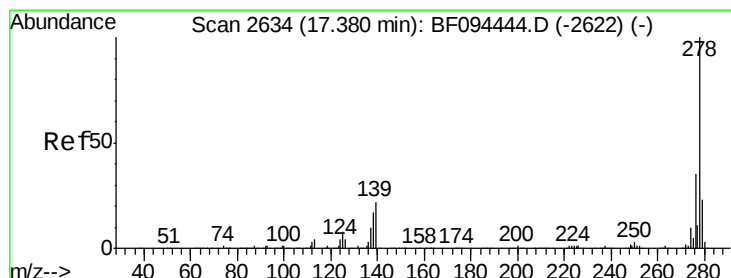
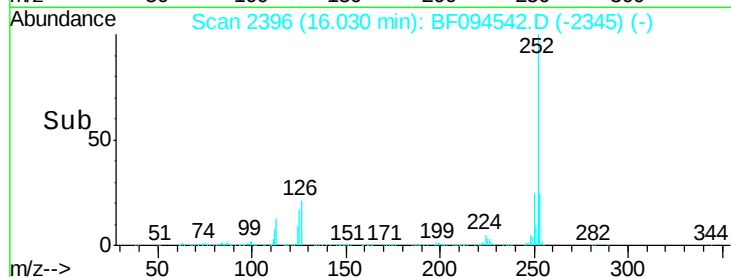
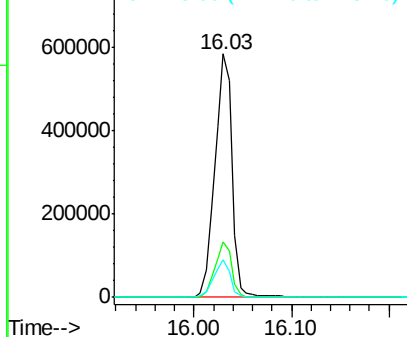
Tot Ion:	252	Resp:	714533
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	15.4	11.0	16.4

Manual Integrations
APPROVED

mohammad
4/21/2017 11:36:01 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 53.99 ng

RT: 17.38 min Scan# 2626

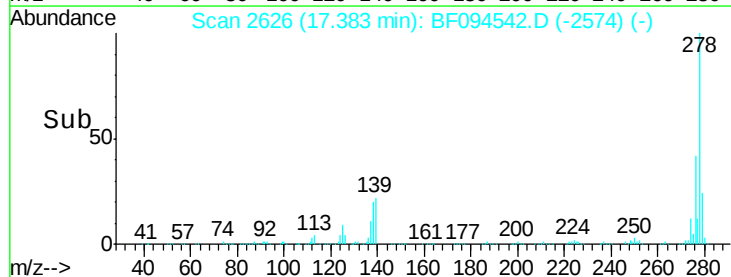
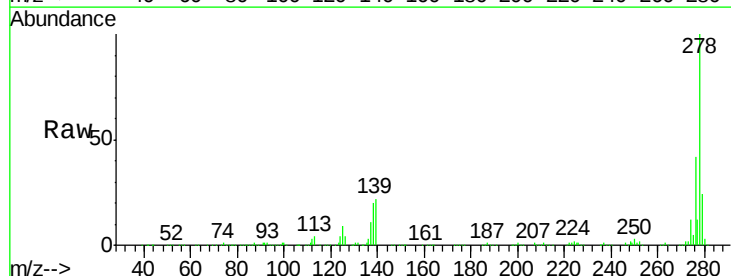
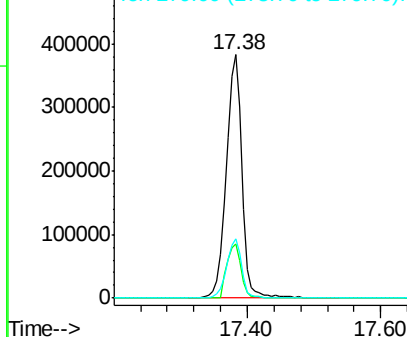
Delta R.T. 0.00 min

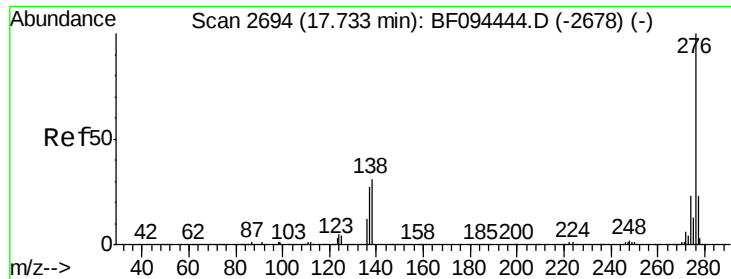
Lab File: BF094542.D

Acq: 20 Apr 2017 14:05

Tgt Ion:	278	Resp:	639779
Ion Ratio	Lower	Upper	
278	100		
139	22.0	16.6	24.8
279	24.3	19.3	28.9

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





#91
 Benzo(a,h,i)perylene
 Concen: 54.79 ng
 RT: 17.74 min Scan# 2687
 Delta R.T. 0.01 min
 Lab File: BF094542.D
 Acq: 20 Apr 2017 14:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(18-20)20170418MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	29.6	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 4/21/2017 11:36:01 AM

