

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
 Data File : BF084569.D
 Acq On : 20 Jan 2016 17:22
 Operator : SJ/UM
 Sample : PB87882BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87882BS

Manual Integrations
 APPROVED

mohammad
 1/21/2016 12:19:53 PM

Quant Time: Jan 20 22:32:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	202881	20.00	ng	-0.06
21) Naphthalene-d8	8.06	136	866220	20.00	ng	-0.06
38) Acenaphthene-d10	9.82	164	421413	20.00	ng	-0.05
63) Phenanthrene-d10	11.31	188	775885	20.00	ng	-0.05
75) Chrysene-d12	13.95	240	594740	20.00	ng	-0.05
86) Perylene-d12	15.36	264	470834	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1489479	118.75	ng	-0.05
7) Phenol-d6	6.43	99	1873764	118.95	ng	-0.05
23) Nitrobenzene-d5	7.34	82	1270275	81.62	ng	-0.06
41) 2,4,6-Tribromophenol	10.62	330	558799	131.34	ng	-0.05
44) 2-Fluorobiphenyl	9.15	172	1995410	83.16	ng	-0.05
78) Terphenyl-d14	12.90	244	1890291	70.95	ng	-0.05

Target Compounds						Qvalue
2) 1,4-Dioxane	2.40	88	207276	34.88	ng	# 78
3) Pyridine	3.09	79	670487	40.47	ng	# 77
4) n-Nitrosodimethylamine	3.05	42	321296	37.78	ng	82
6) Aniline	6.44	93	330720	14.35	ng	# 1
8) 2-Chlorophenol	6.57	128	631047	44.34	ng	94
9) Benzaldehyde	6.33	77	56560	5.51	ng	86
10) Phenol	6.44	94	720438	40.22	ng	97
11) bis(2-Chloroethyl)ether	6.52	93	581297	41.90	ng	84
12) 1,3-Dichlorobenzene	6.72	146	594480m	40.50	ng	
13) 1,4-Dichlorobenzene	6.80	146	629398	42.75	ng	96
14) 1,2-Dichlorobenzene	6.96	146	565786	40.13	ng	93
15) Benzyl Alcohol	6.93	79	536717	40.50	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.07	45	1007273	39.87	ng	86
17) 2-Methylphenol	7.05	107	484610	40.63	ng	92
18) Hexachloroethane	7.29	117	243537	41.37	ng	92
19) n-Nitroso-di-n-propylamine	7.21	70	444064	41.64	ng	# 81
20) 3+4-Methylphenols	7.21	107	646383	46.11	ng	# 87
22) Acetophenone	7.20	105	843028	40.47	ng	98
24) Nitrobenzene	7.37	77	632244	40.05	ng	97
25) Isophorone	7.61	82	1184578	39.80	ng	98
26) 2-Nitrophenol	7.69	139	355397	49.47	ng	# 91
27) 2,4-Dimethylphenol	7.73	122	603261	41.48	ng	94
28) bis(2-Chloroethoxy)methane	7.82	93	746136	41.04	ng	99
29) 2,4-Dichlorophenol	7.93	162	490951	40.53	ng	94
30) 1,2,4-Trichlorobenzene	8.01	180	511947	40.94	ng	97
31) Naphthalene	8.09	128	1635094	41.61	ng	100
32) Benzoic acid	7.87	122	370699	40.72	ng	92
33) 4-Chloroaniline	8.14	127	131257	7.29	ng	# 91
34) Hexachlorobutadiene	8.21	225	308715	42.94	ng	98
35) Caprolactam	8.52	113	175969m	43.09	ng	
36) 4-Chloro-3-methylphenol	8.64	107	598068	44.08	ng	95
37) 2-Methylnaphthalene	8.78	142	1240198	43.96	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	482316	39.81	ng	99
40) Hexachlorocyclopentadiene	8.93	237	498741	68.20	ng	96

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
 Data File : BF084569.D
 Acq On : 20 Jan 2016 17:22
 Operator : SJ/UM
 Sample : PB87882BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87882BS

Manual Integrations
 APPROVED

mohammad
 1/21/2016 12:19:53 PM

Quant Time: Jan 20 22:32:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.07	196	390717	43.11	nq	96
43) 2,4,5-Trichlorophenol	9.12	196	359528	41.38	nq #	91
45) 1,1'-Biphenyl	9.25	154	1498172	44.73	nq	98
46) 2-Chloronaphthalene	9.28	162	1105145	42.01	nq	89
47) 2-Nitroaniline	9.38	65	360278	41.49	nq #	63
48) Acenaphthylene	9.69	152	1585976	40.81	nq	97
49) Dimethylphthalate	9.56	163	1322952	43.91	nq #	90
50) 2,6-Dinitrotoluene	9.62	165	279974	42.37	nq #	62
51) Acenaphthene	9.86	154	1004687	38.54	nq	97
52) 3-Nitroaniline	9.78	138	96421	11.78	nq	95
53) 2,4-Dinitrophenol	9.89	184	282377	99.42	nq #	78
54) Dibenzofuran	10.03	168	1360603	39.96	nq	91
55) 4-Nitrophenol	9.97	139	512375	86.21	nq	92
56) 2,4-Dinitrotoluene	10.03	165	374187	44.74	nq #	85
57) Fluorene	10.37	166	1048303	39.88	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.16	232	308191	41.54	nq	92
59) Diethylphthalate	10.26	149	1185661	39.92	nq	99
60) 4-Chlorophenyl-phenylether	10.37	204	554843	51.51	nq	92
61) 4-Nitroaniline	10.41	138	298454	40.89	nq	91
62) Azobenzene	10.53	77	1399581	42.96	nq	97
64) 4,6-Dinitro-2-methylphenol	10.43	198	192717	40.66	nq #	67
65) n-Nitrosodiphenylamine	10.49	169	1033281	41.65	nq	98
66) 4-Bromophenyl-phenylether	10.86	248	358514	42.93	nq	96
67) Hexachlorobenzene	10.92	284	366120	38.95	nq #	89
68) Atrazine	11.02	200	318147	39.19	nq	98
69) Pentachlorophenol	11.13	266	387221	79.45	nq	97
70) Phenanthrene	11.33	178	1575571	38.82	nq	96
71) Anthracene	11.39	178	1813793	45.59	nq	99
72) Carbazole	11.55	167	1647903	42.37	nq	97
73) Di-n-butylphthalate	11.88	149	1793581	42.86	nq #	96
74) Fluoranthene	12.52	202	1724114	40.67	nq	98
76) Benzidine	12.65	184	476840	22.36	nq	98
77) Pyrene	12.75	202	1791541	38.39	nq	98
79) Butylbenzylphthalate	13.38	149	821532	40.68	nq	97
80) Benzo(a)anthracene	13.94	228	1446410	41.42	nq	98
81) 3,3'-Dichlorobenzidine	13.91	252	235851	19.35	nq #	96
82) Chrysene	13.97	228	1222855	36.44	nq	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	974780	38.20	nq	100
84) Di-n-octyl phthalate	14.56	149	1744954	40.51	nq #	90
85) Indeno(1,2,3-cd)pyrene	16.72	276	1180493	44.38	nq	100
87) Benzo(b)fluoranthene	14.96	252	1180383m	38.33	nq	
88) Benzo(k)fluoranthene	14.99	252	1235517m	49.05	nq	
89) Benzo(a)pyrene	15.30	252	1102898	42.22	nq #	96
90) Dibenzo(a,h)anthracene	16.74	278	959863	42.70	nq	97
91) Benzo(g,h,i)perylene	17.13	276	1008932	43.34	nq	99

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

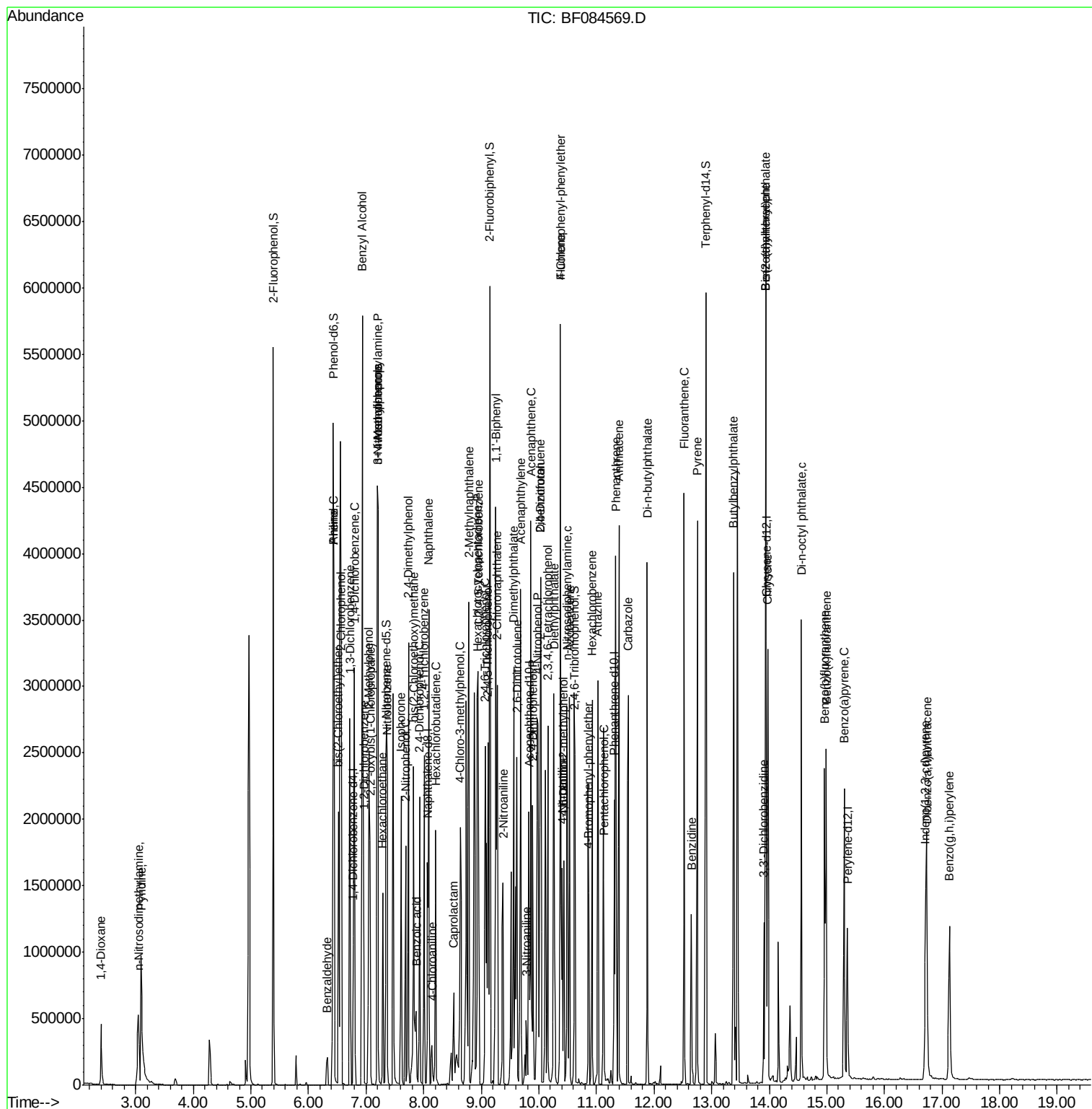
```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\  
Data File : BF084569.D  
Acq On    : 20 Jan 2016  17:22  
Operator  : SJ/UM  
Sample    : PB87882BS  
Misc      :  
ALS Vial  : 8      Sample Multiplier: 1
```

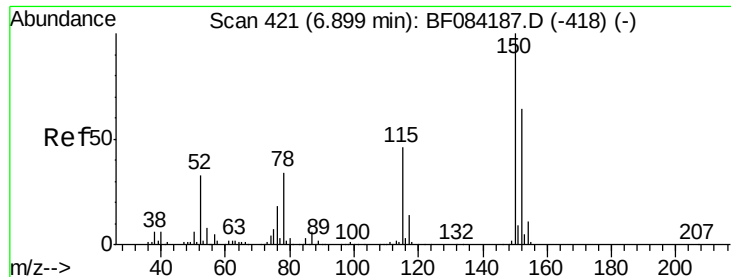
Instrument :
BNA_F
ClientSampleId :
PB87882BS

Manual Integrations APPROVED

mohammad
1/21/2016 12:19:53 PM

Quant Time: Jan 20 22:32:11 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion:152 Resp: 202881

Ion Ratio Lower Upper

152 100

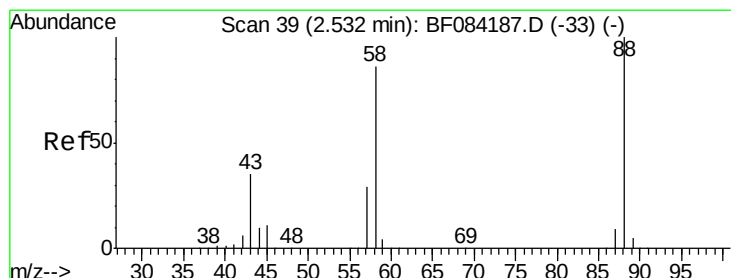
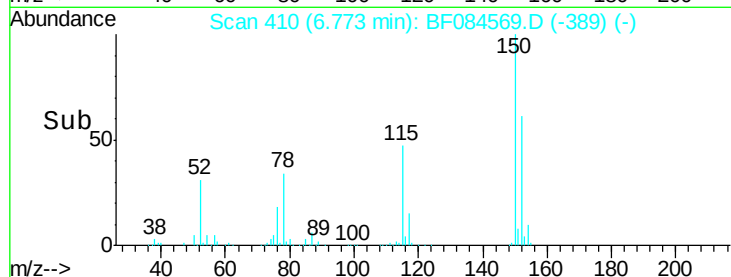
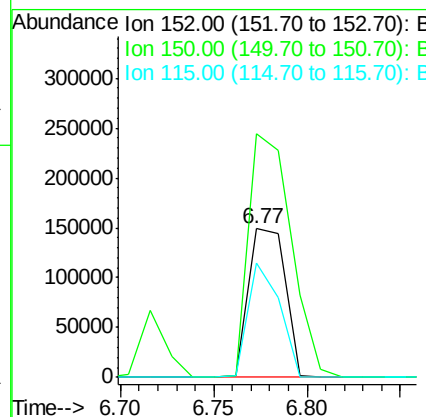
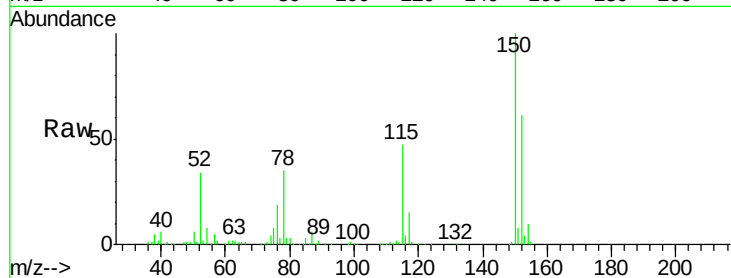
150 164.2 123.0 184.4

115 77.3 51.4 77.2#

Manual Integrations
APPROVED

mohammad

1/21/2016 12:19:53 PM



#2

1,4-Dioxane

Concen: 34.88 ng

RT: 2.40 min Scan# 27

Delta R.T. 0.00 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

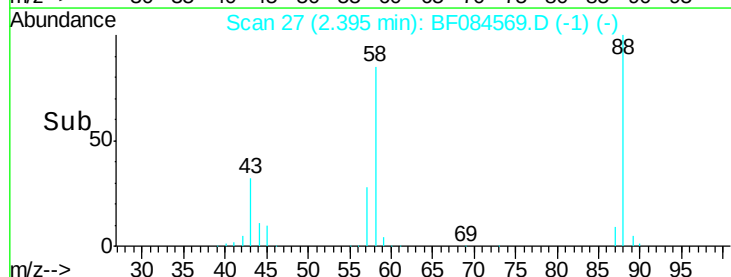
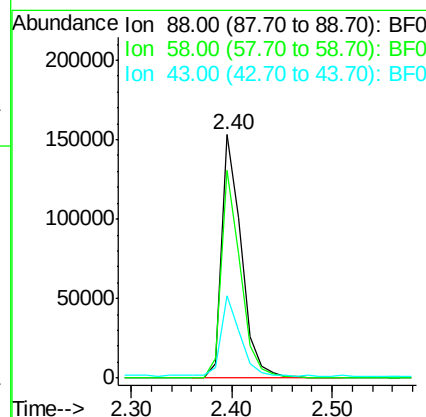
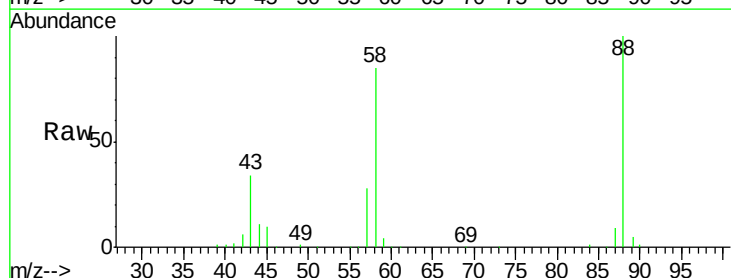
Tgt Ion: 88 Resp: 207276

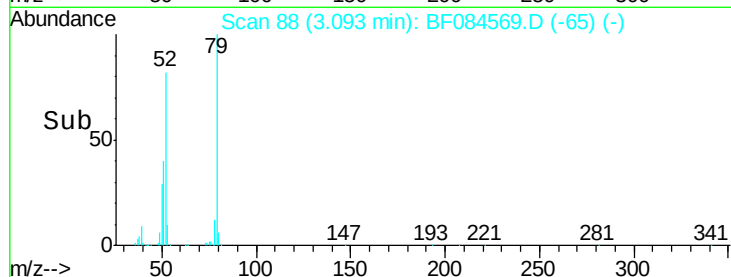
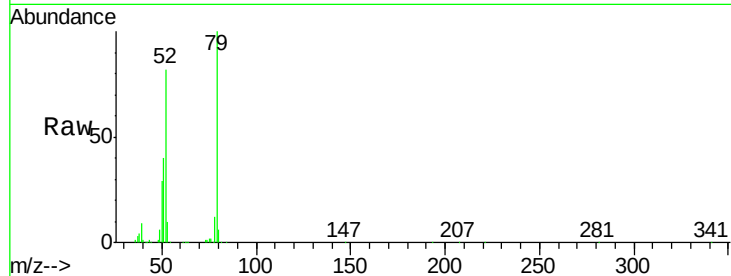
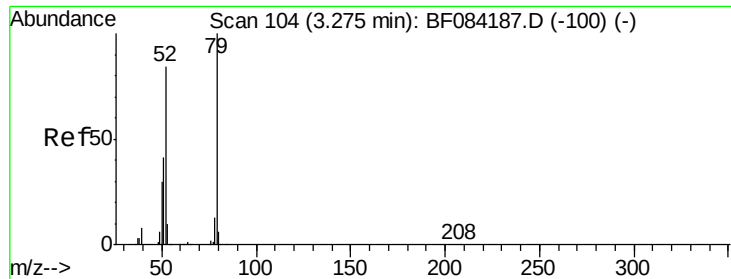
Ion Ratio Lower Upper

88 100

58 82.8 51.2 76.8#

43 32.7 19.5 29.3#





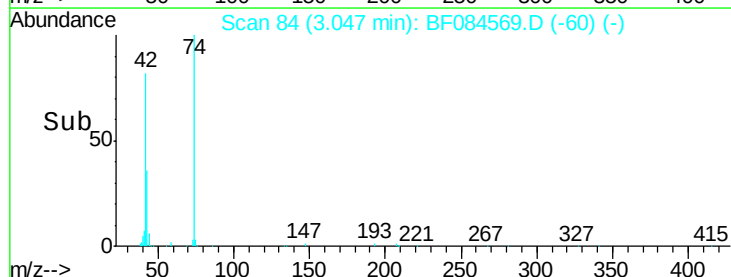
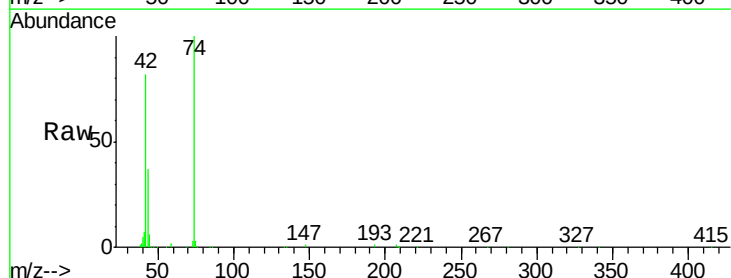
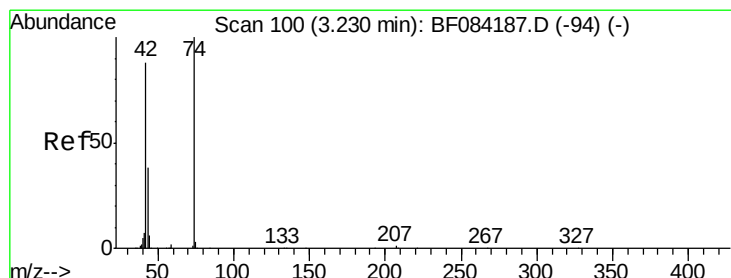
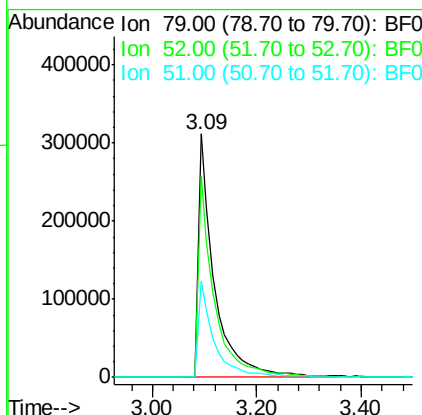
#3
Pvridine
Concen: 40.47 ng
RT: 3.09 min Scan# 88
Delta R.T. -0.03 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tot Ion	Ratio	Lower	Upper
79	100		
52	82.5	49.0	73.4#
51	39.6	25.2	37.8#

Instrument :
BNA_F
ClientSampleId :
PB87882BS

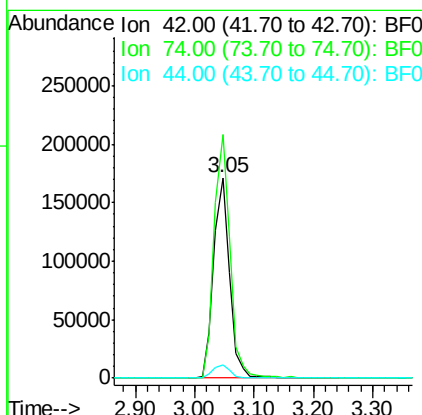
Manual Integrations
APPROVED

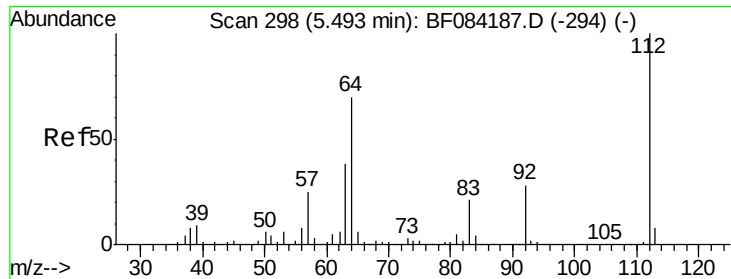
mohammad
1/21/2016 12:19:53 PM



#4
n-Nitrosodimethylamine
Concen: 37.78 ng
RT: 3.05 min Scan# 84
Delta R.T. -0.02 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Lower	Upper
42	100		
74	121.5	115.7	173.5
44	6.9	5.1	7.7





#5

2-Fluorophenol

Concen: 118.75 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion:112 Resp: 1489479

Ion Ratio Lower Upper

112 100

64 64.4 36.6 55.0#

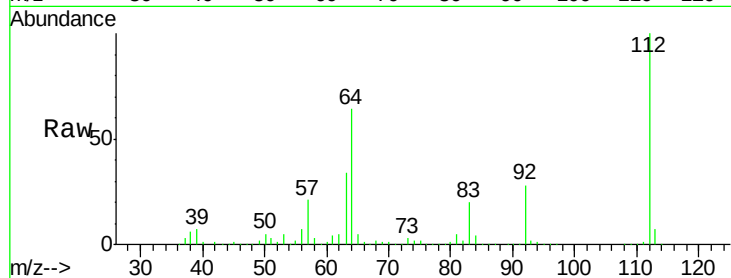
63 33.7 19.4 29.0#

Manual Integrations

APPROVED

mohammad

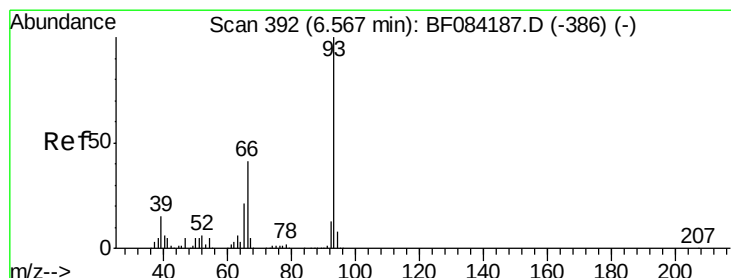
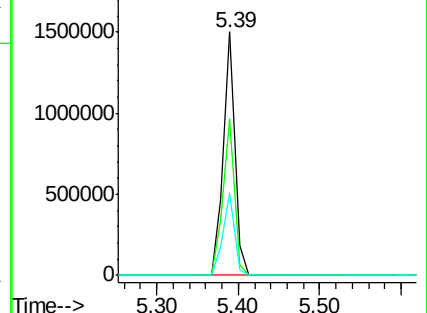
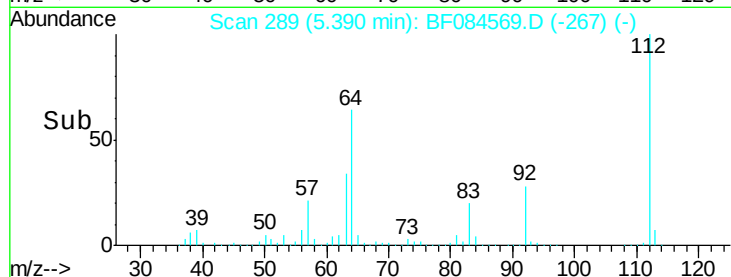
1/21/2016 12:19:53 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 14.35 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

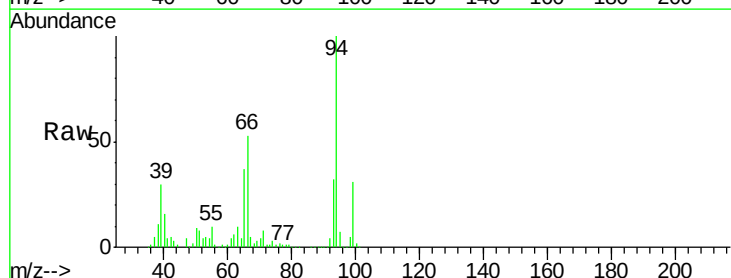
Tgt Ion: 93 Resp: 330720

Ion Ratio Lower Upper

93 100

66 165.1 44.9 67.3#

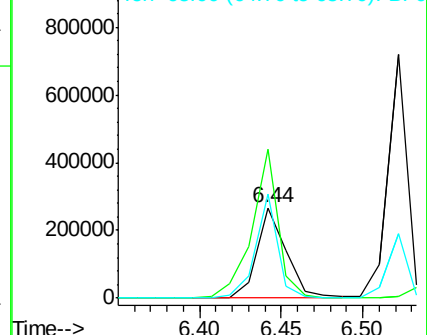
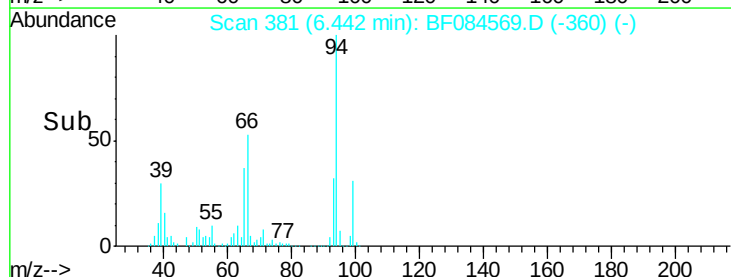
65 115.7 23.7 35.5#

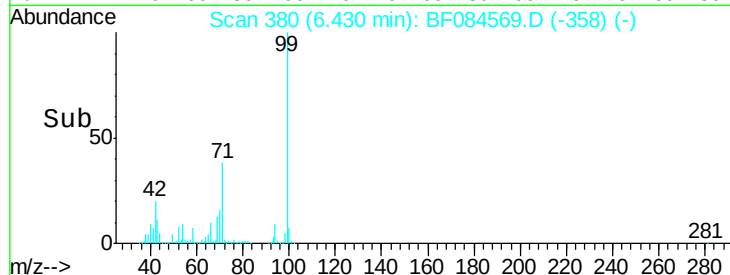
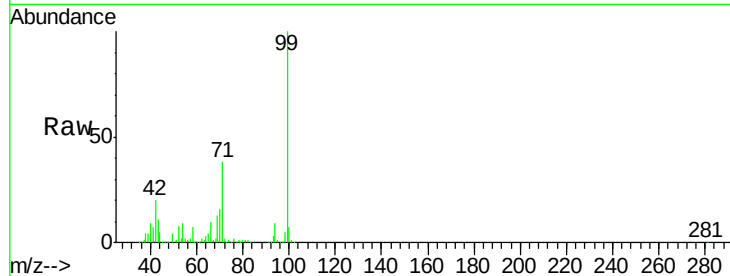
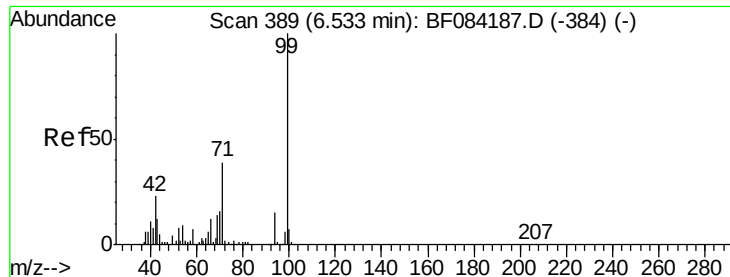


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 118.95 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tot Ion:	99	Resp:	1873764
Ion	Ratio	Lower	Upper
99	100		
42	20.5	12.8	19.2#
71	37.8	30.9	46.3

Instrument :

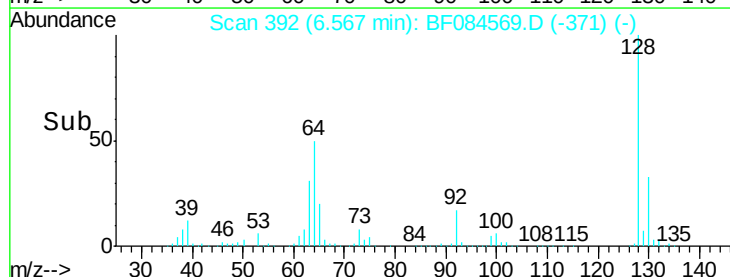
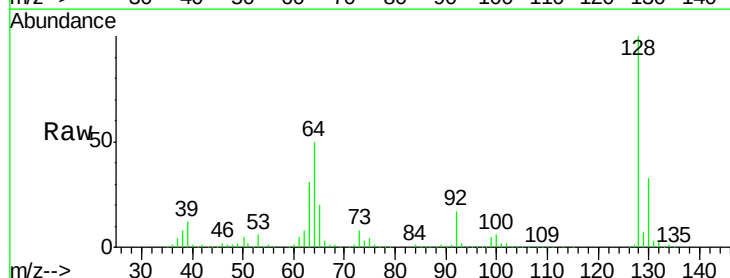
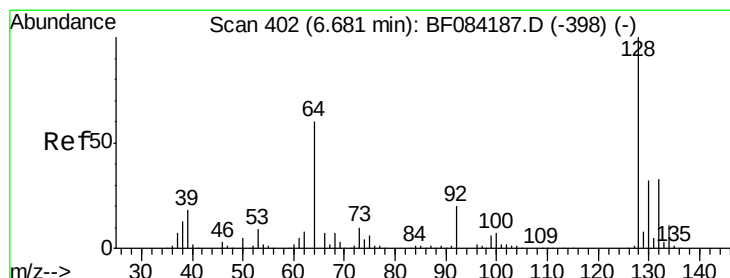
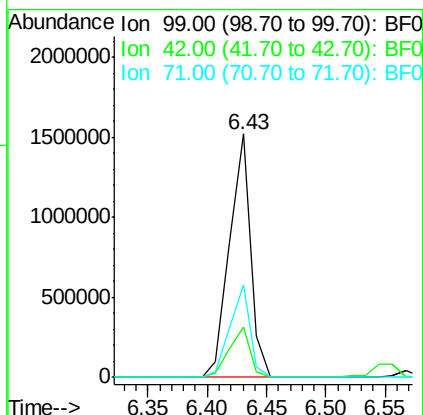
BNA_F

ClientSampleId :

PB87882BS

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#8

2-Chlorophenol

Concen: 44.34 ng

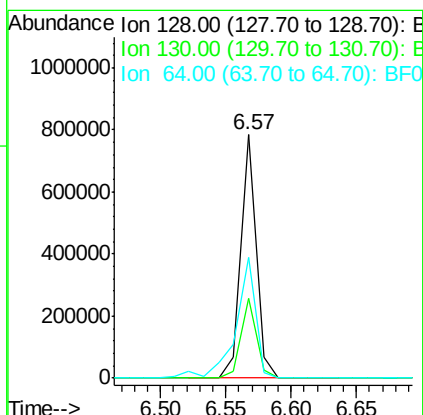
RT: 6.57 min Scan# 392

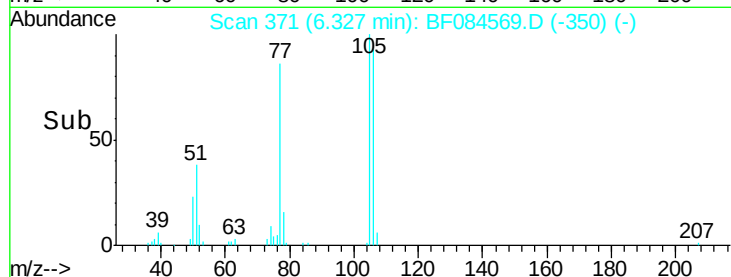
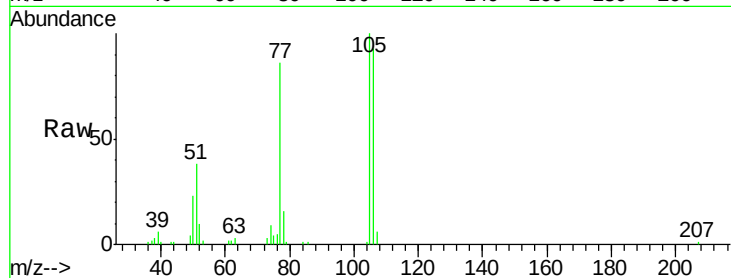
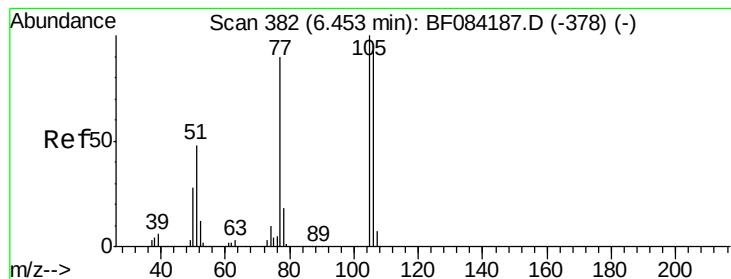
Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion:	128	Resp:	631047
Ion	Ratio	Lower	Upper
128	100		
130	32.7	11.6	51.6
64	49.6	23.8	63.8





#9

Benzaldehyde

Concen: 5.51 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tot Ion:	77	Resp:	56560
Ion	Ratio	Lower	Upper
77	100		
105	116.4	83.0	123.0
106	108.7	74.6	114.6

Instrument :

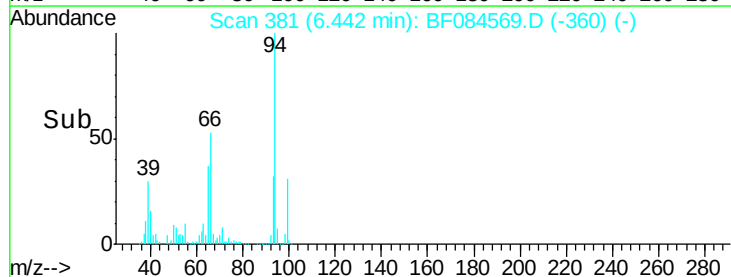
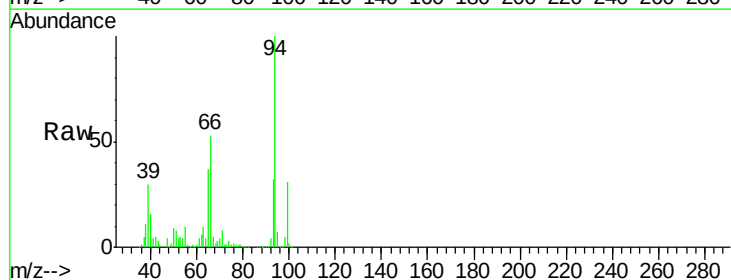
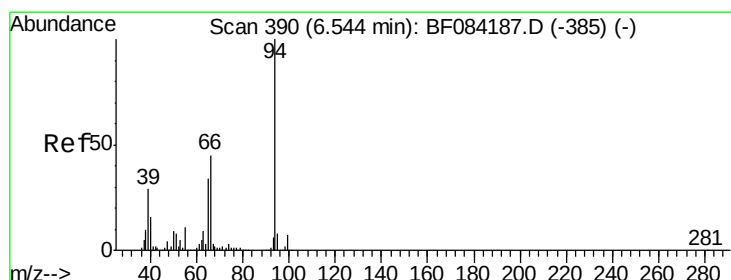
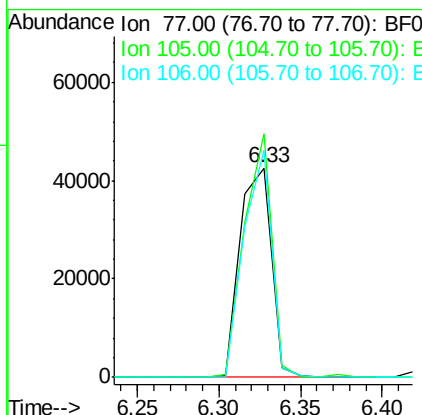
BNA_F

ClientSampleId :

PB87882BS

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#10

Phenol

Concen: 40.22 ng

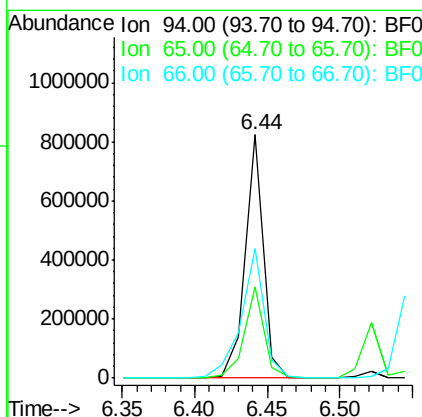
RT: 6.44 min Scan# 381

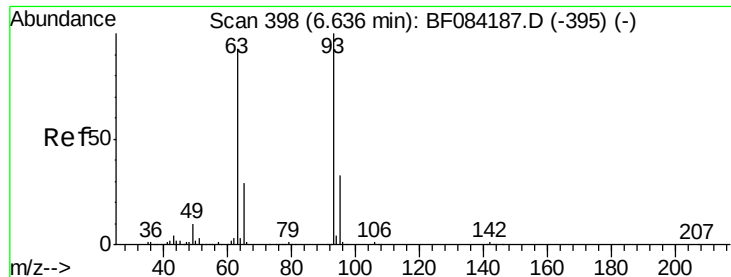
Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion:	94	Resp:	720438
Ion	Ratio	Lower	Upper
94	100		
65	37.3	12.9	52.9
66	53.2	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 41.90 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

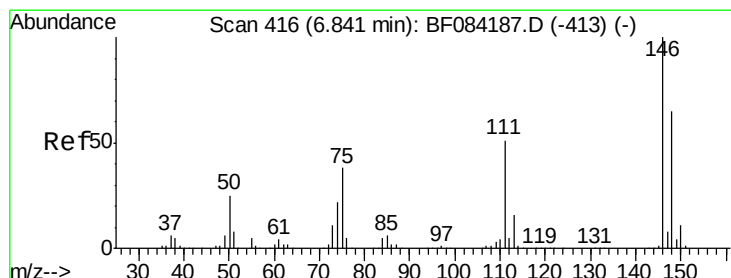
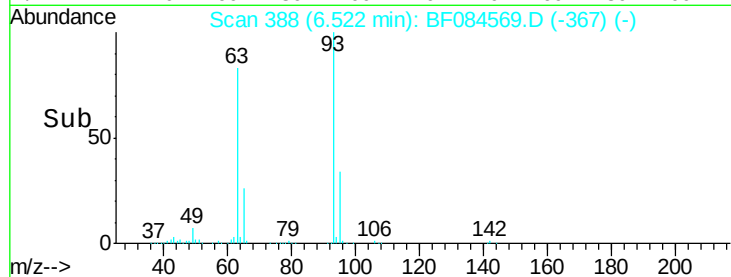
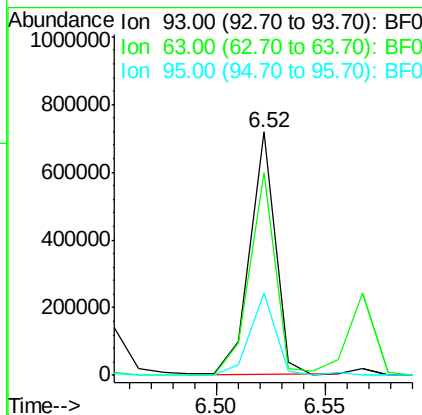
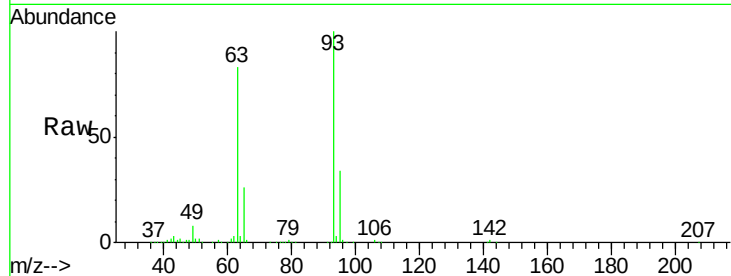
ClientSampleId :

PB87882BS

Tot Ion	93	Resp	581297
Ion Ratio	Lower	Upper	
93	100		
63	83.1	45.9	85.9
95	34.0	12.3	52.3

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#12

1,3-Dichlorobenzene

Concen: 40.50 ng m

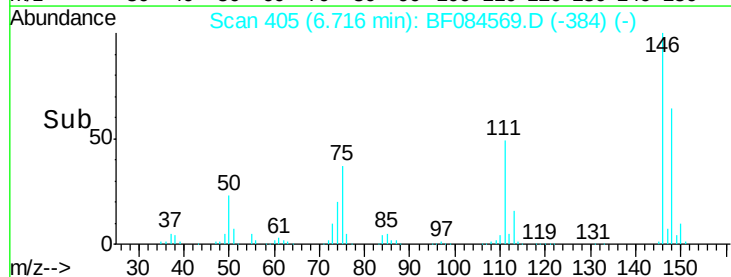
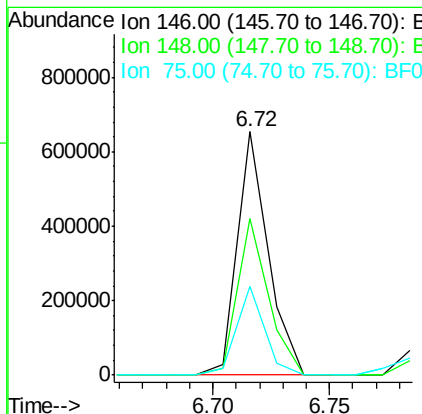
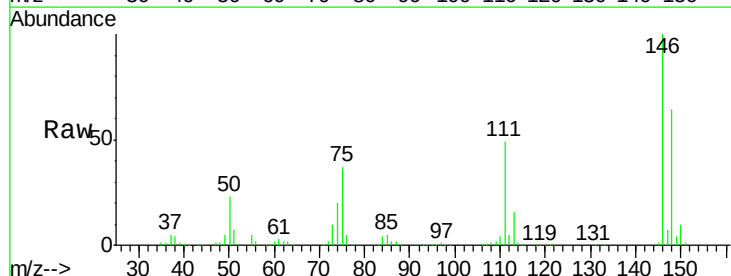
RT: 6.72 min Scan# 405

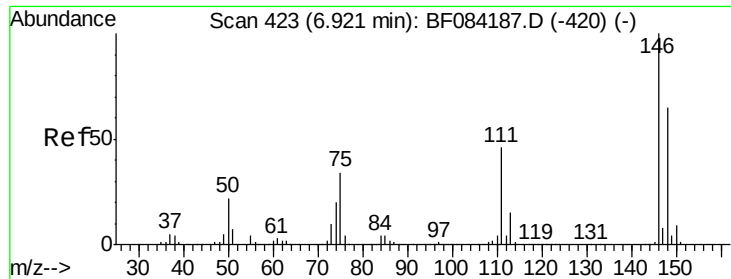
Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion	146	Resp	594480
Ion Ratio	Lower	Upper	
146	100		
148	64.5	51.9	77.9
75	36.6	20.5	30.7#





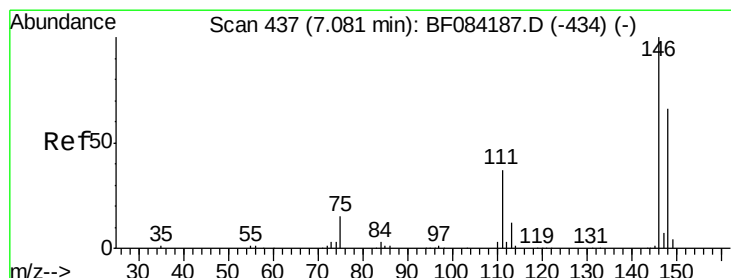
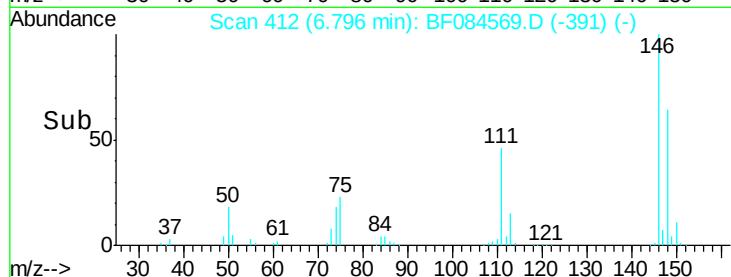
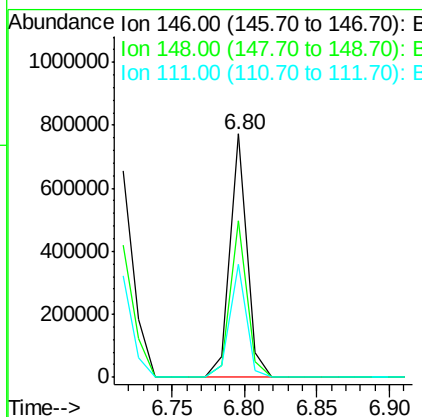
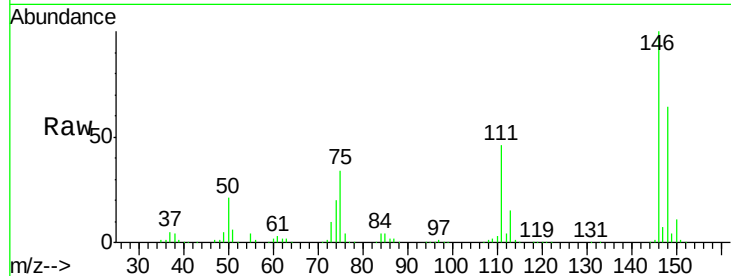
#13
 1,4-Dichlorobenzene
 Concen: 42.75 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.06 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Instrument :
 BNA_F
 ClientSampleId :
 PB87882BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.9	77.9
111	46.4	41.6	62.4

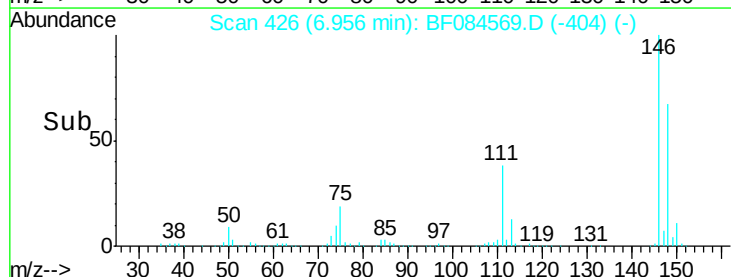
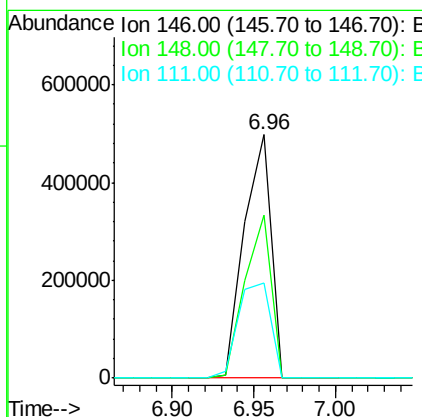
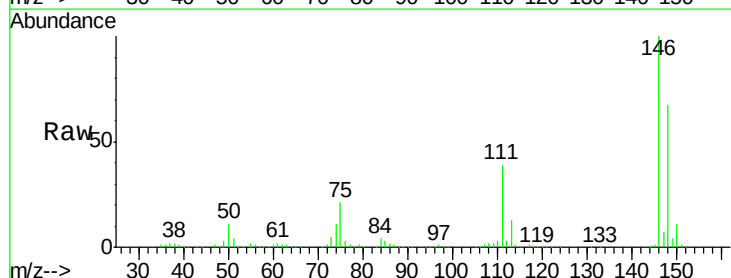
Manual Integrations
 APPROVED

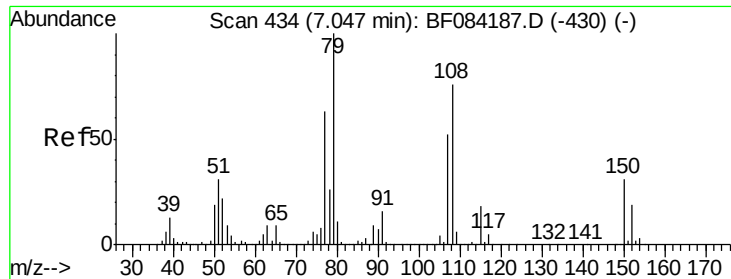
mohammad
 1/21/2016 12:19:53 PM



#14
 1,2-Dichlorobenzene
 Concen: 40.13 ng
 RT: 6.96 min Scan# 426
 Delta R.T. -0.05 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.9	51.6	77.4
111	39.1	38.0	57.0





#15

Benzyl Alcohol

Concen: 40.50 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

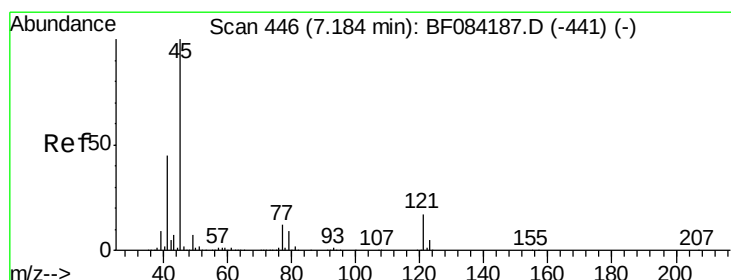
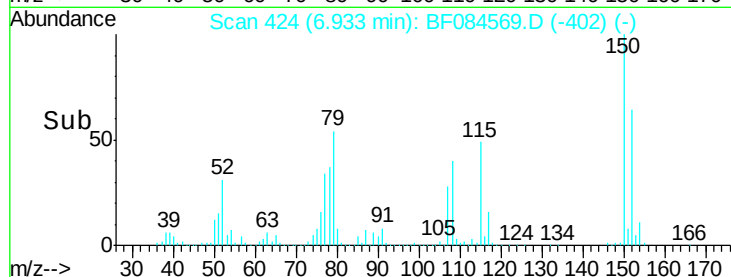
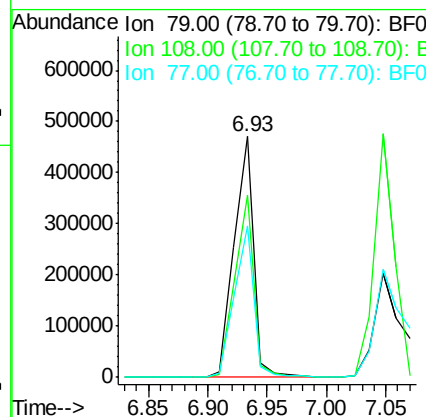
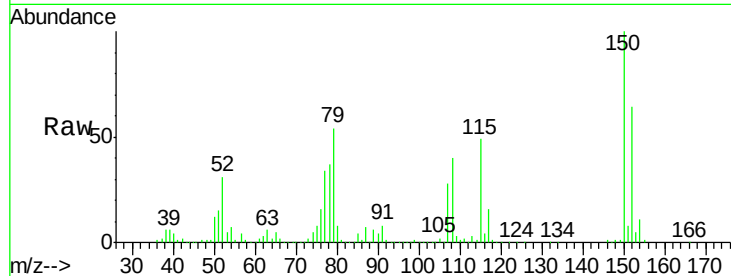
ClientSampleID :

PB87882BS

Tot Ion:	79	Resp:	536717
Ion Ratio	Lower	Upper	
79	100		
108	75.5	69.0	103.4
77	62.7	50.0	75.0

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.87 ng

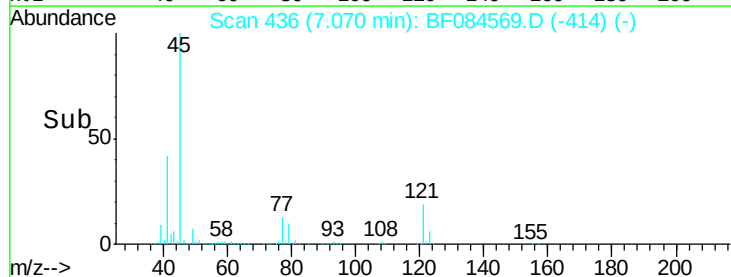
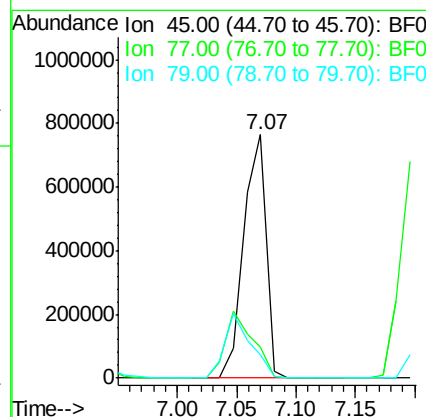
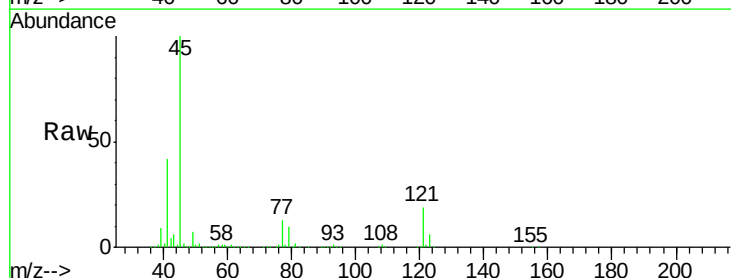
RT: 7.07 min Scan# 436

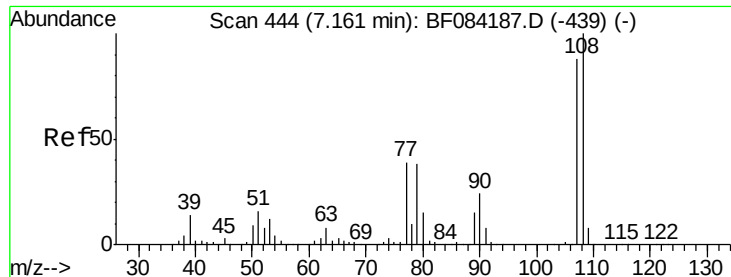
Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion:	45	Resp:	1007273
Ion Ratio	Lower	Upper	
45	100		
77	12.6	0.0	39.6
79	9.8	0.0	35.0





#17

2-Methylphenol

Concen: 40.63 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

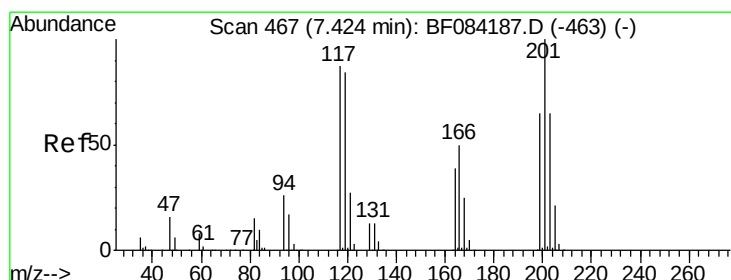
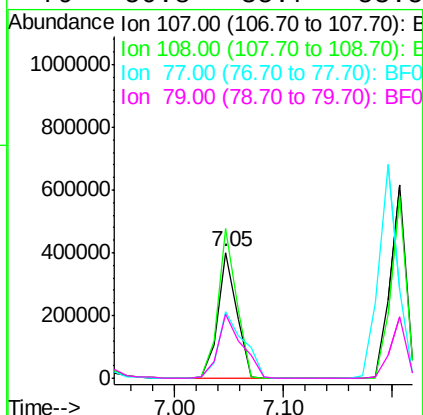
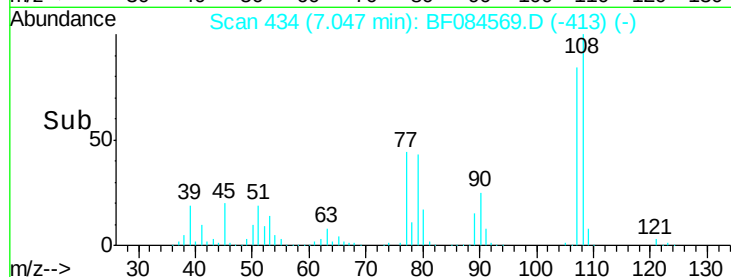
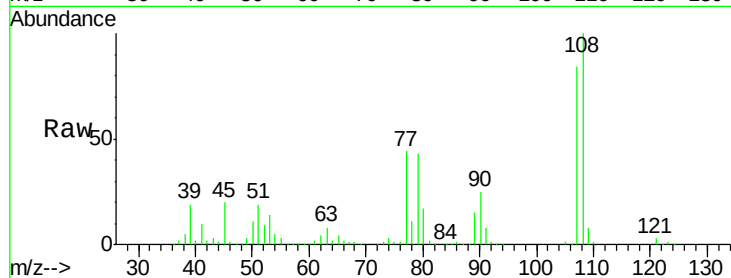
ClientSampled :

PB87882BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		484610		
108	118.7	89.8	134.6		
77	52.5	35.7	53.5		
79	50.8	35.7	53.5		

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#18

Hexachloroethane

Concen: 41.37 ng

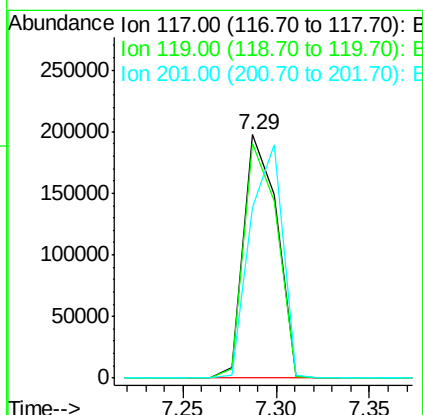
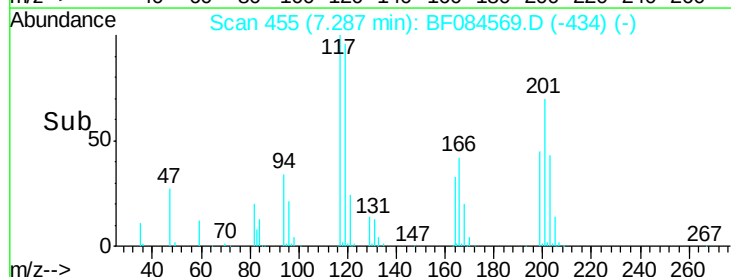
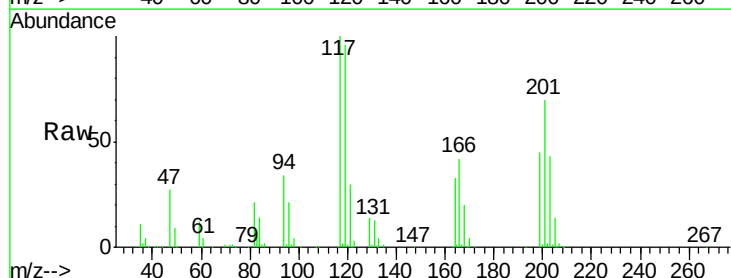
RT: 7.29 min Scan# 455

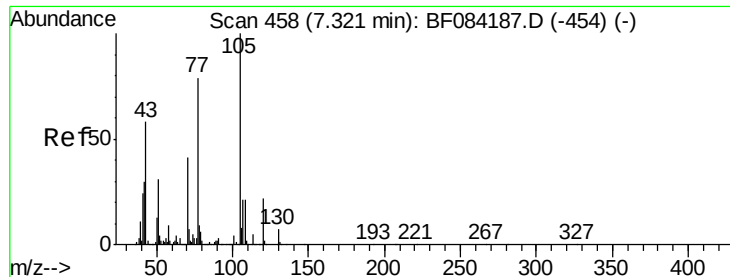
Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		243537		
119	96.3	77.4	116.0		
201	70.0	68.6	103.0		





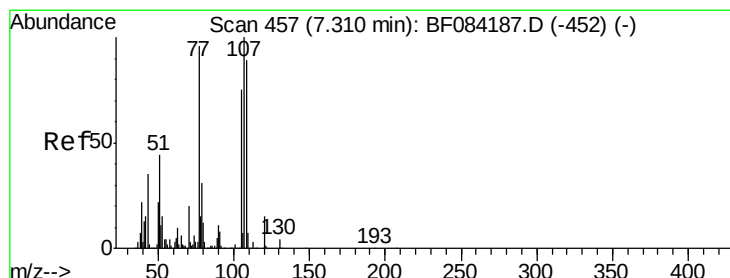
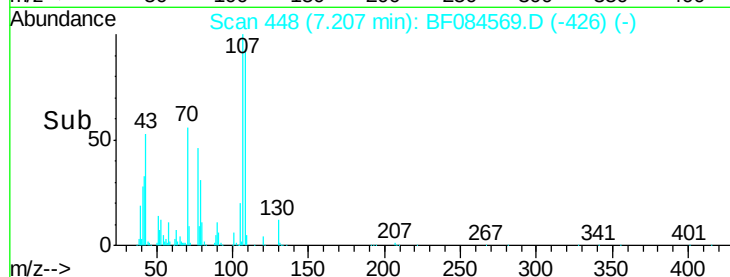
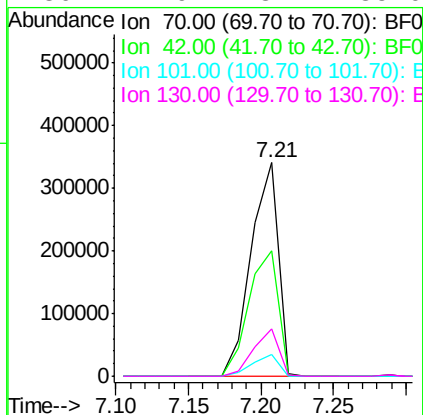
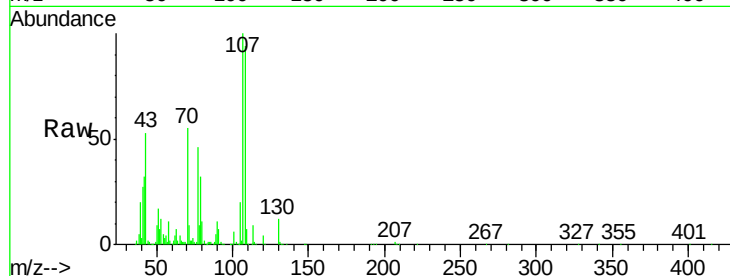
#19
n-Nitroso-di-n-propylamine
Concen: 41.64 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	58.7	33.3	49.9#
101	10.2	9.3	13.9
130	21.9	23.4	35.0#

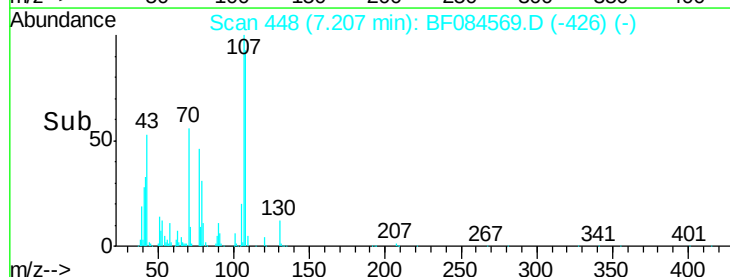
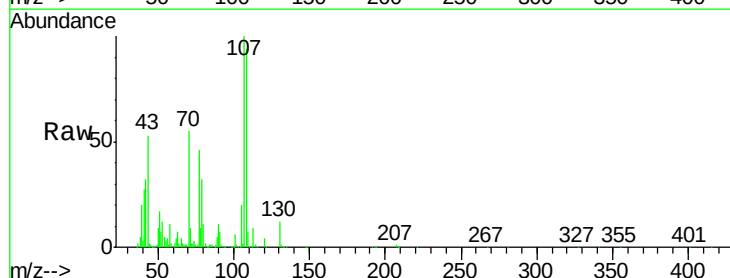
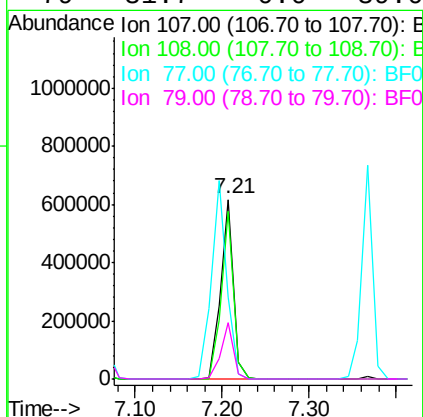
Manual Integrations
APPROVED

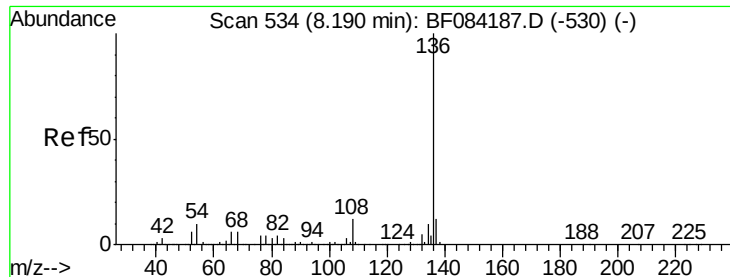
mohammad
1/21/2016 12:19:53 PM



#20
3+4-Methylphenols
Concen: 46.11 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.6	74.6	114.6
77	45.9	0.7	40.7#
79	31.7	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

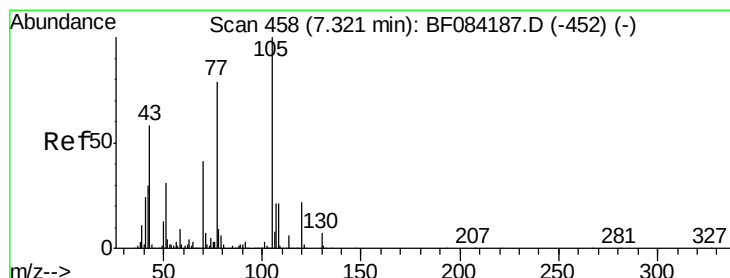
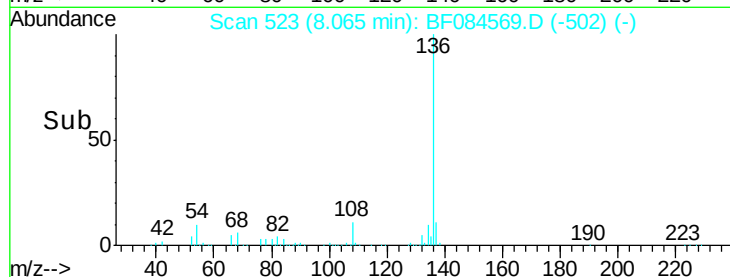
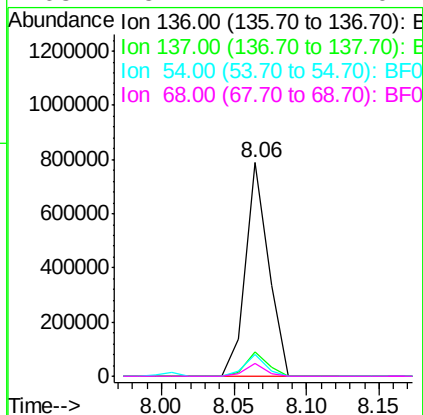
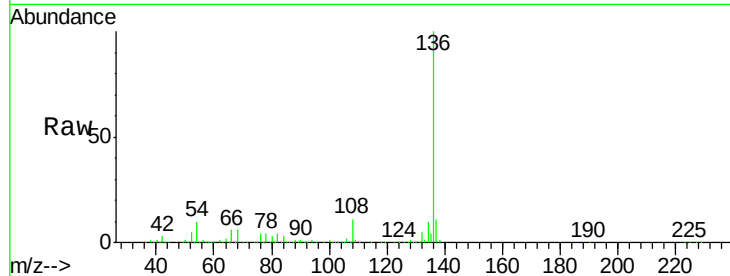
ClientSampleId :

PB87882BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		866220		
137	11.5		8.7	13.1	
54	10.0		5.8	8.8	
68	5.7		4.2	6.2	

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#22

Acetophenone

Concen: 40.47 ng

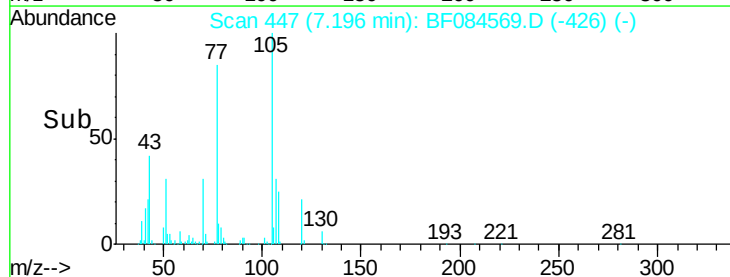
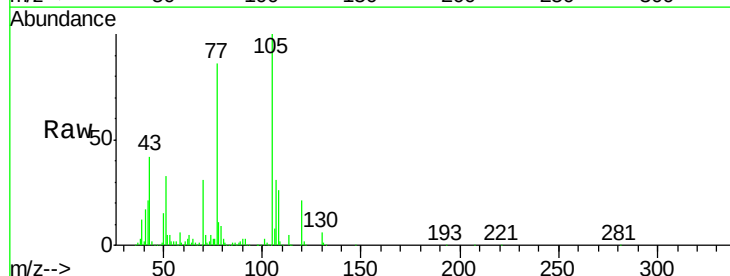
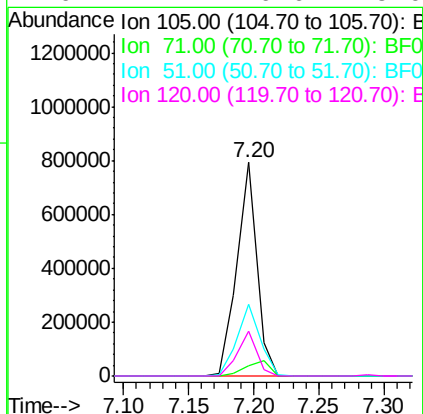
RT: 7.20 min Scan# 447

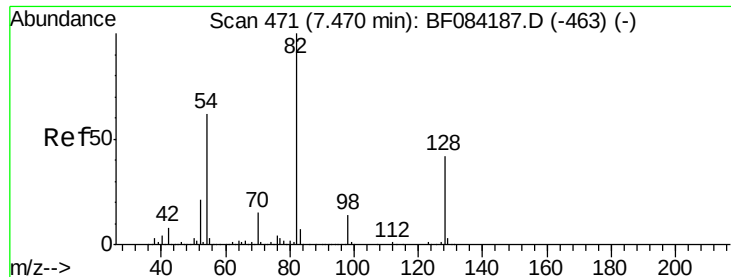
Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		843028		
71	5.1		3.7	5.5	
51	33.5		25.1	37.7	
120	21.1		16.6	25.0	





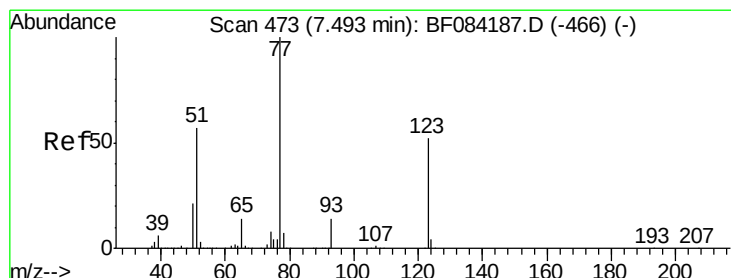
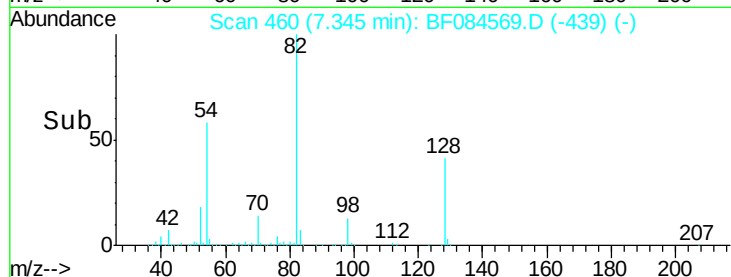
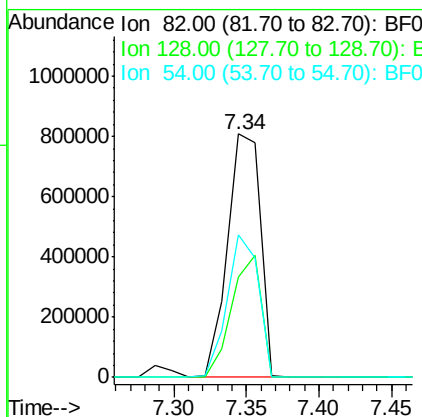
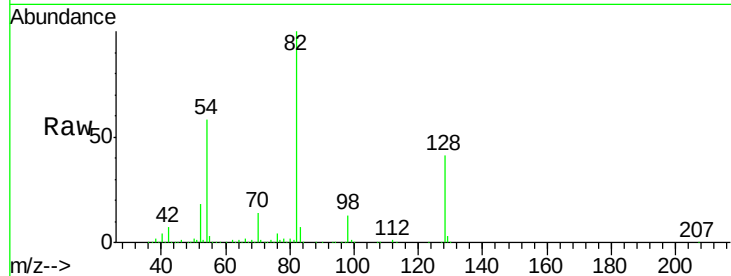
#23
 Nitrobenzene-d5
 Concen: 81.62 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.06 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Instrument :
 BNA_F
 ClientSampleId :
 PB87882BS

Tot Ion	82	Resp	1270275
Ion Ratio	100	Lower	Upper
128	41.2	34.6	51.8
54	58.5	38.4	57.6

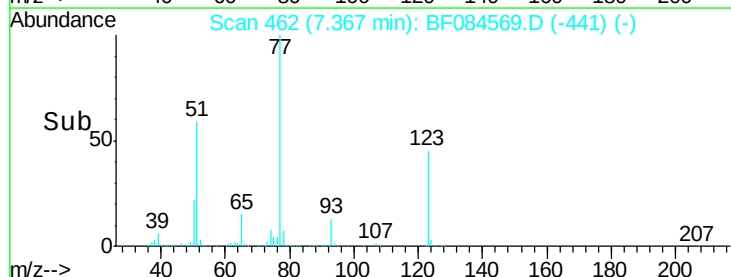
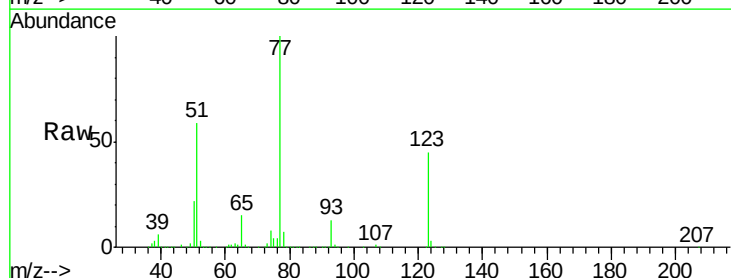
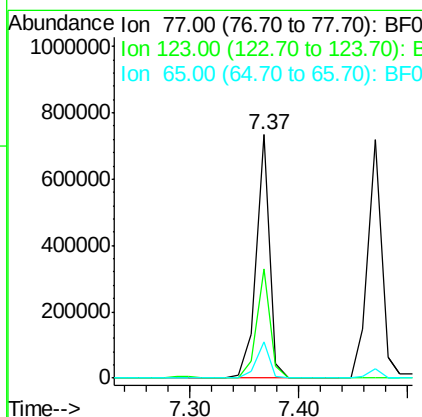
Manual Integrations
 APPROVED

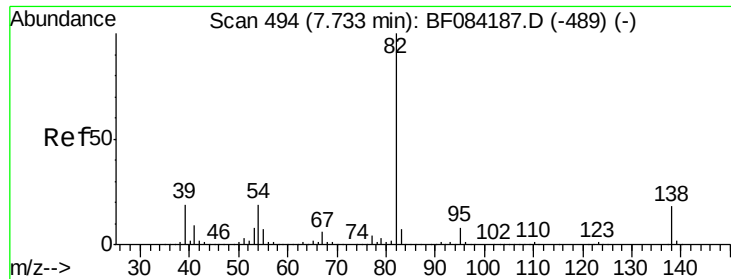
mohammad
 1/21/2016 12:19:53 PM



#24
 Nitrobenzene
 Concen: 40.05 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.06 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Tgt Ion	77	Resp	632244
Ion Ratio	100	Lower	Upper
123	44.9	37.4	56.2
65	14.7	10.9	16.3





#25

Isophorone

Concen: 39.80 ng

RT: 7.61 min Scan# 483

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion: 82 Resp: 1184578

Ion Ratio Lower Upper

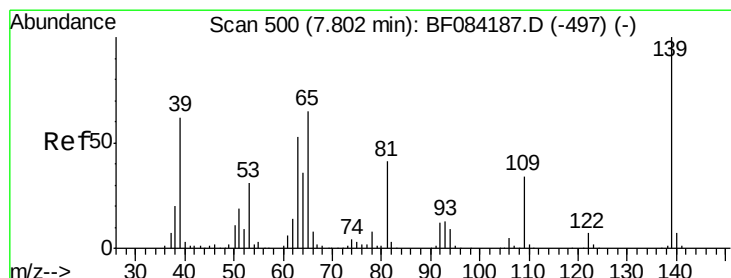
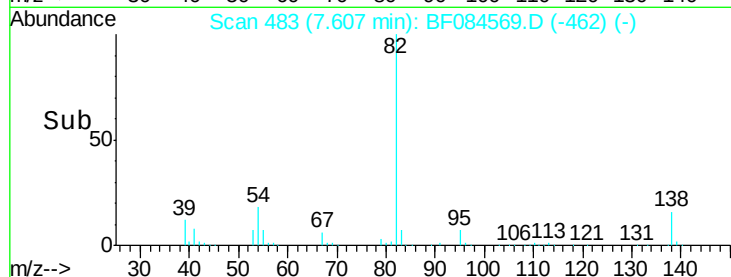
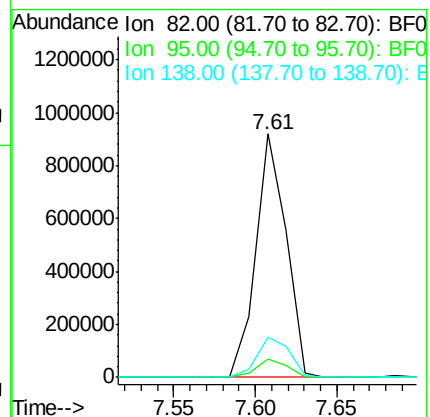
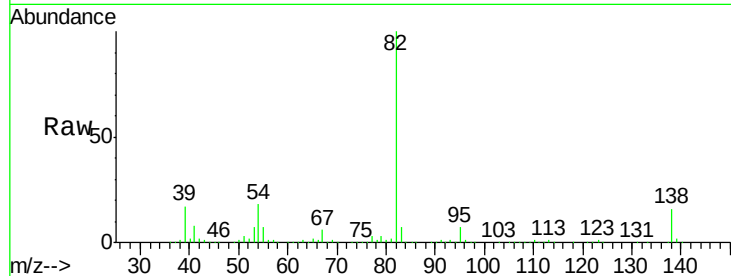
82 100

95 7.3 6.6 10.0

138 16.3 13.6 20.4

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#26

2-Nitrophenol

Concen: 49.47 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

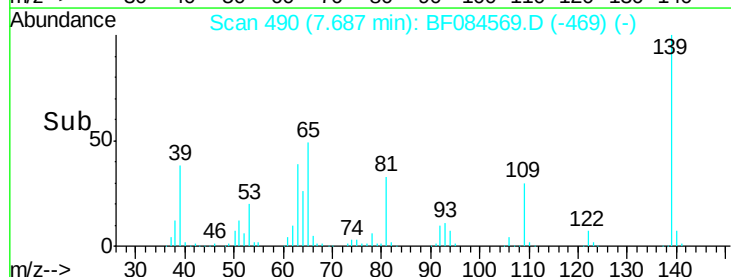
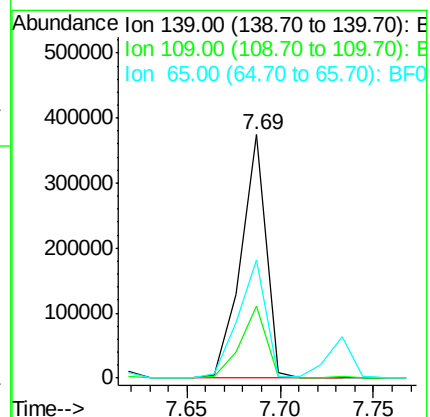
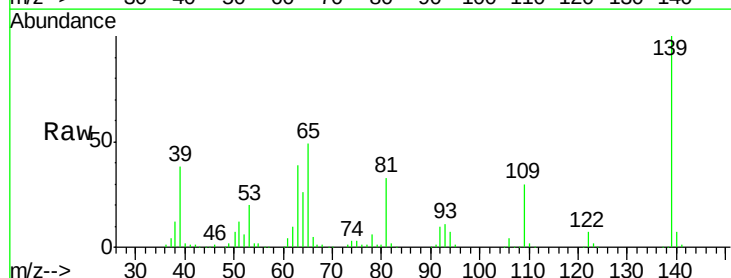
Tgt Ion: 139 Resp: 355397

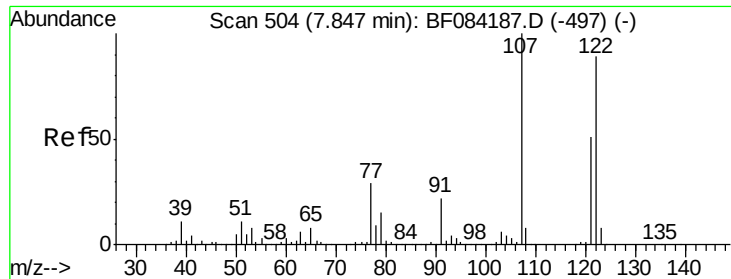
Ion Ratio Lower Upper

139 100

109 29.5 25.4 38.2

65 48.5 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 41.48 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

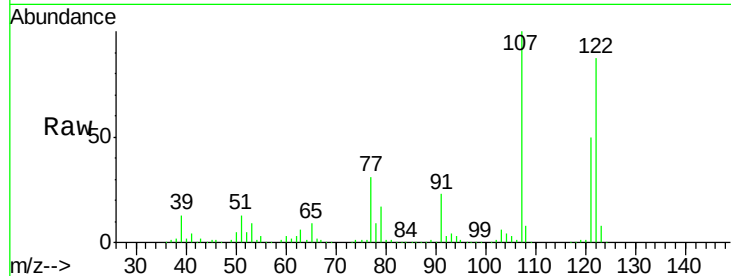
ClientSampleId :

PB87882BS

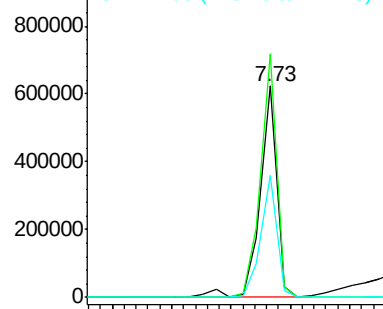
Tot Ion:	122	Resp:	603261
Ion Ratio	Lower	Upper	
122	100		
107	115.3	99.1	148.7
121	57.9	47.9	71.9

Manual Integrations
APPROVED

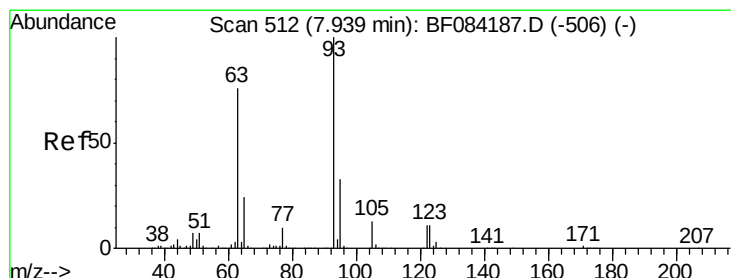
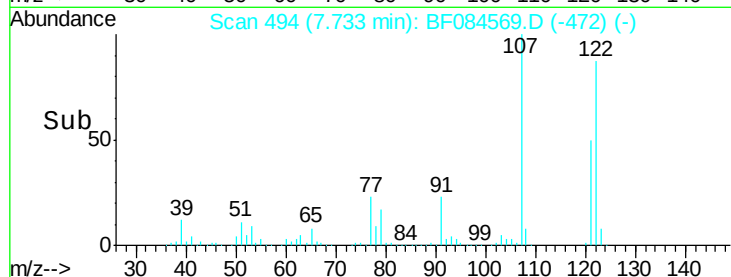
mohammad
1/21/2016 12:19:53 PM



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



Time-->



#28

bis(2-Chloroethoxy)methane

Concen: 41.04 ng

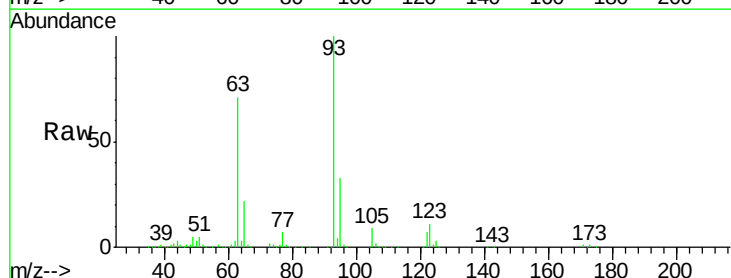
RT: 7.82 min Scan# 502

Delta R.T. -0.06 min

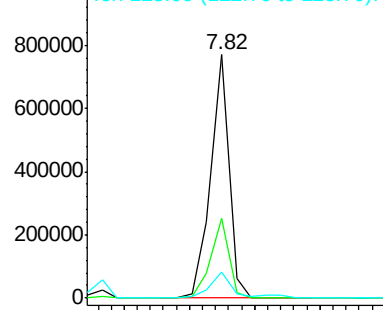
Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

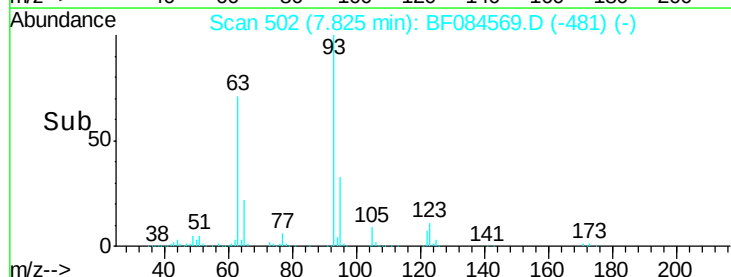
Tgt Ion:	93	Resp:	746136
Ion Ratio	Lower	Upper	
93	100		
95	32.6	25.8	38.6
123	10.7	8.6	12.8

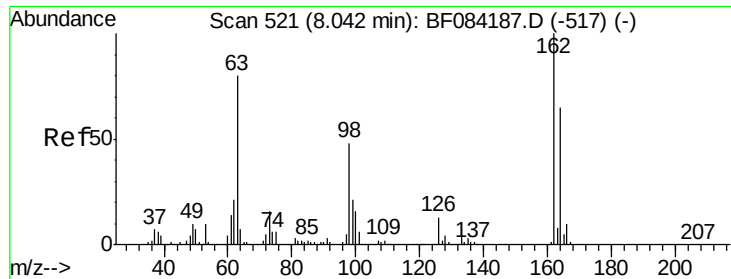


Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E



Time-->





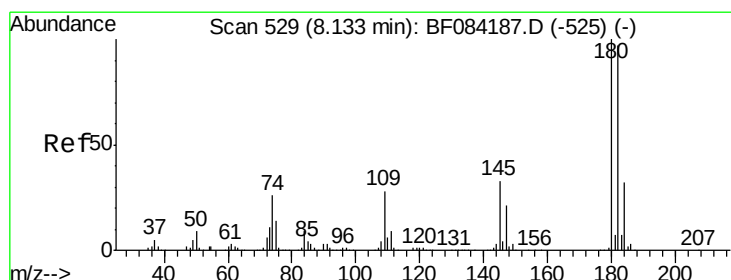
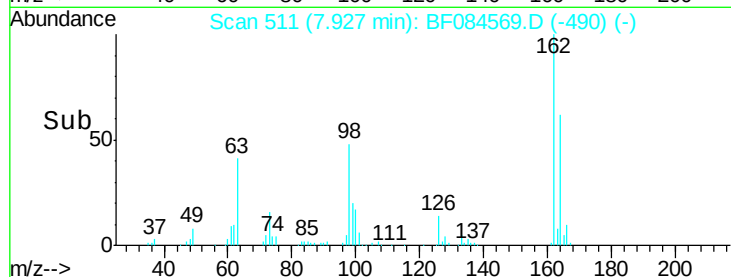
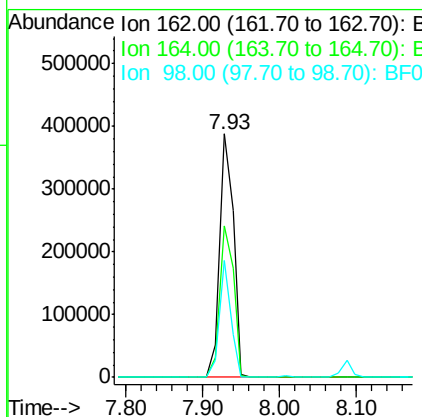
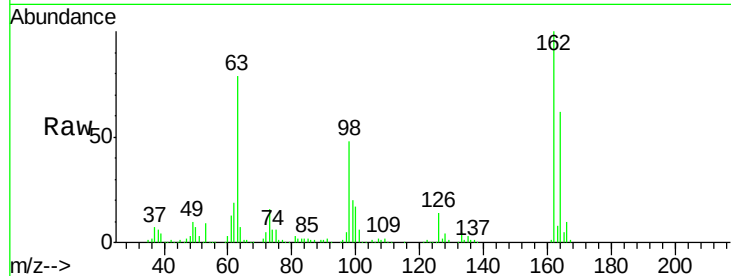
#29
2,4-Dichlorophenol
Concen: 40.53 ng
RT: 7.93 min Scan# 511
Delta R.T. -0.06 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleID :
PB87882BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		490951		
164	62.4	44.1		84.1	
98	47.9	20.2		60.2	

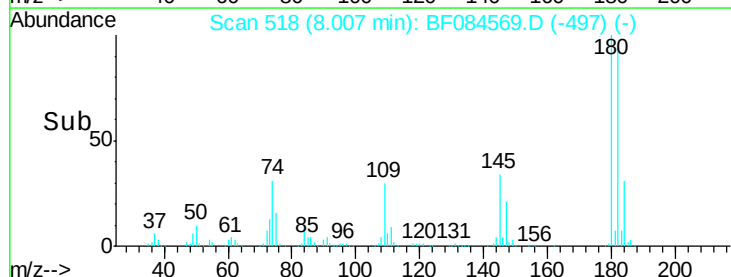
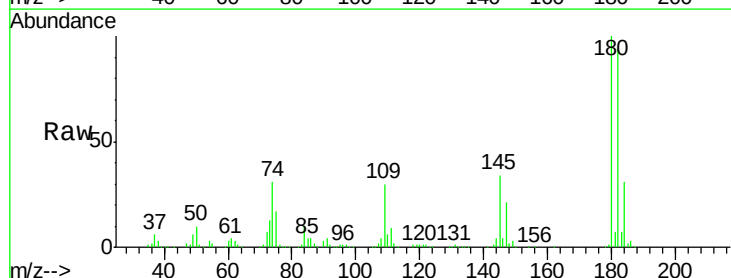
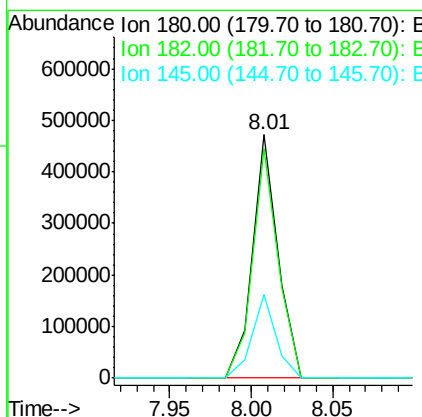
Manual Integrations
APPROVED

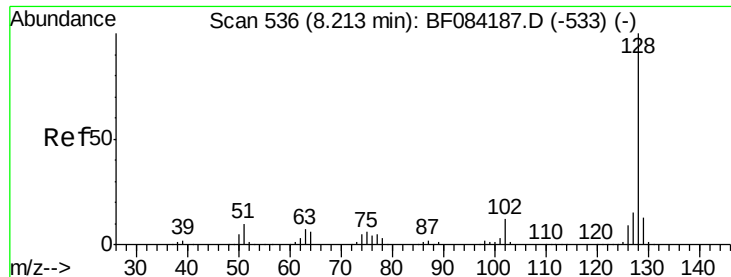
mohammad
1/21/2016 12:19:53 PM



#30
1,2,4-Trichlorobenzene
Concen: 40.94 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		511947		
182	94.2	76.4		114.6	
145	34.2	31.6		47.4	





#31

Naphthalene

Concen: 41.61 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion:128 Resp: 1635094

Ion Ratio Lower Upper

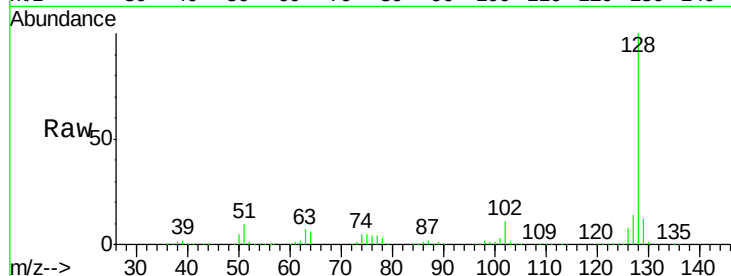
128 100

129 11.8 9.1 13.7

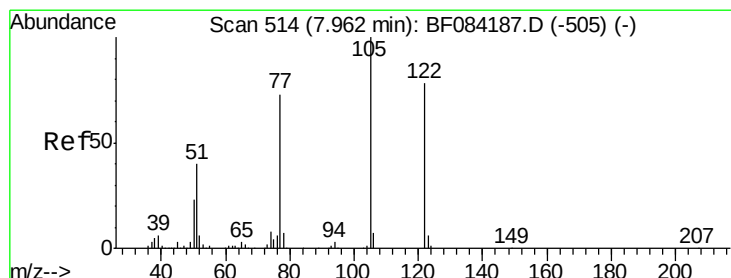
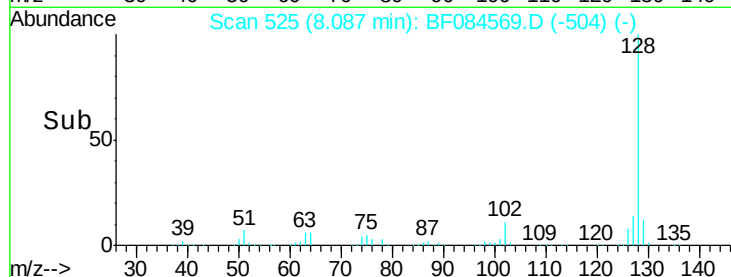
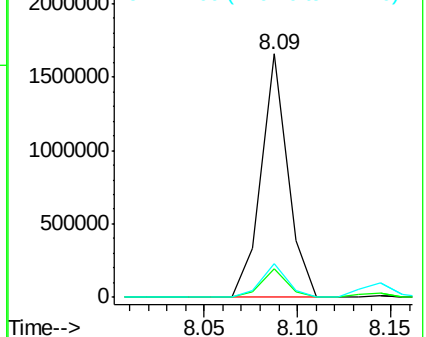
127 13.9 11.1 16.7

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



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: 40.72 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.02 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

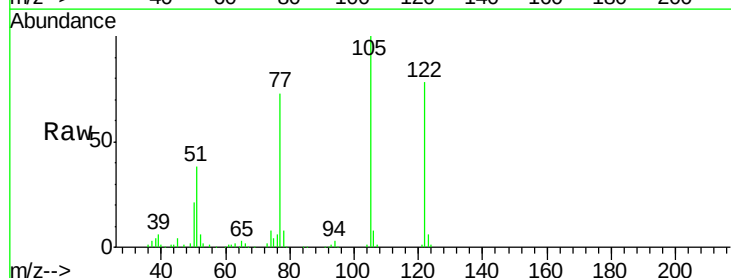
Tgt Ion:122 Resp: 370699

Ion Ratio Lower Upper

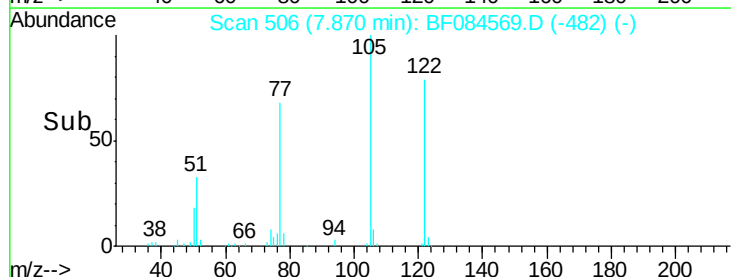
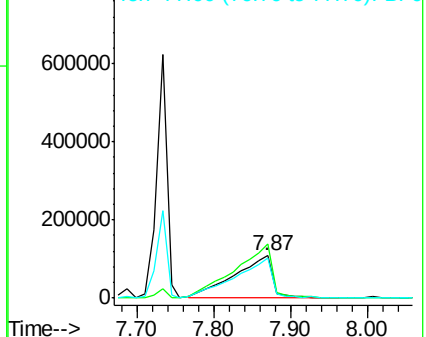
122 100

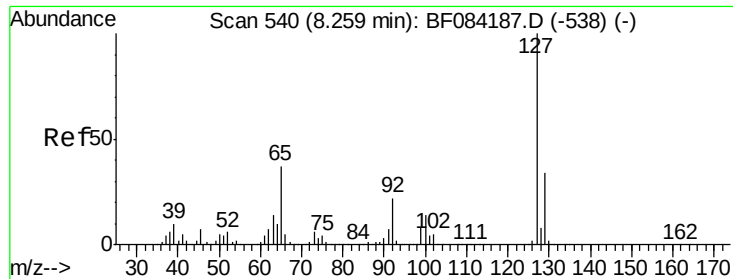
105 127.6 100.3 140.3

77 93.5 63.5 103.5



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





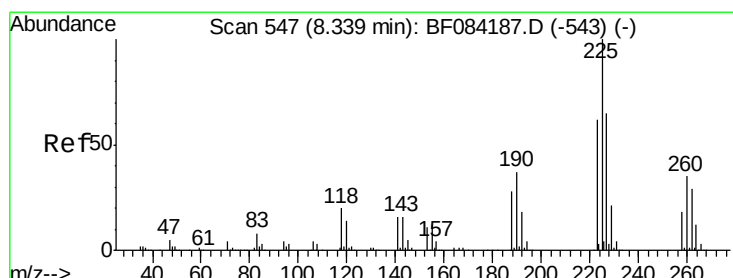
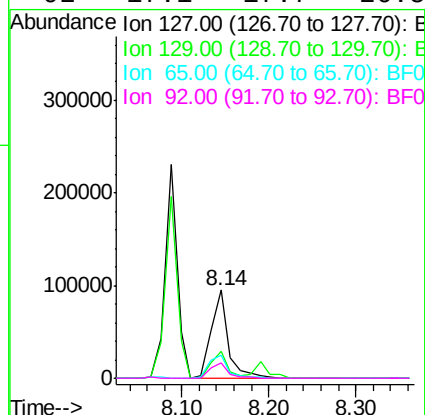
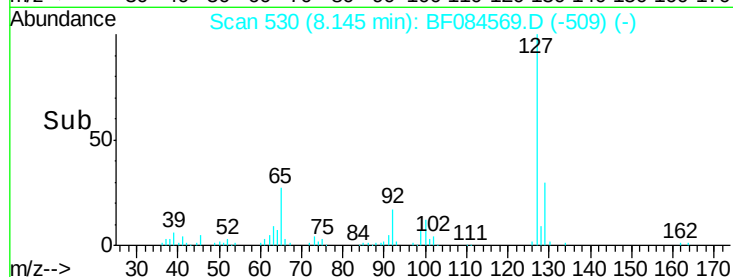
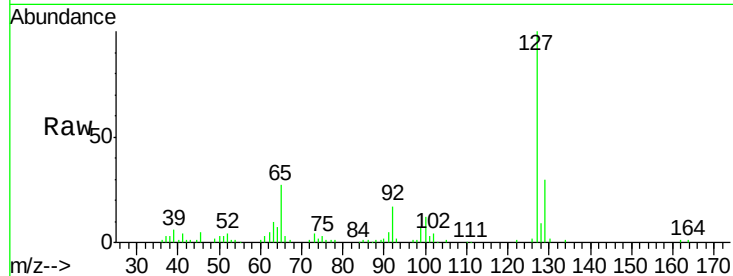
#33
4-Chloroaniline
Concen: 7.29 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.06 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	30.4	26.5	39.7	
65	27.0	27.2	40.8	
92	17.1	17.7	26.5	

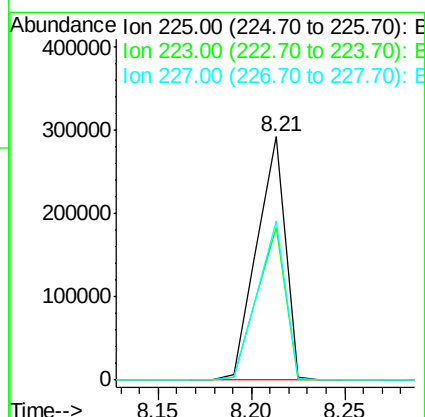
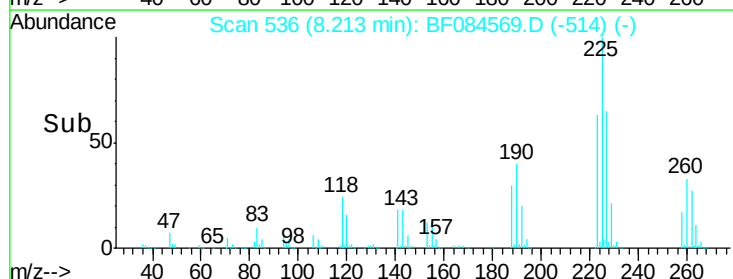
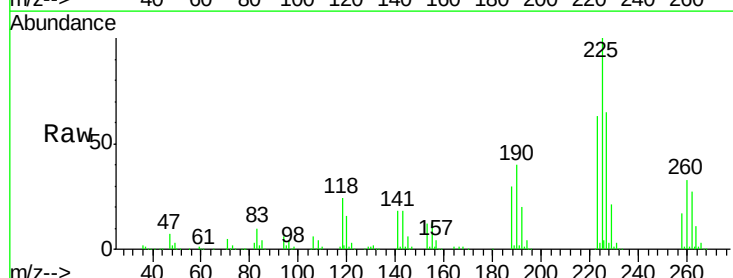
Manual Integrations
APPROVED

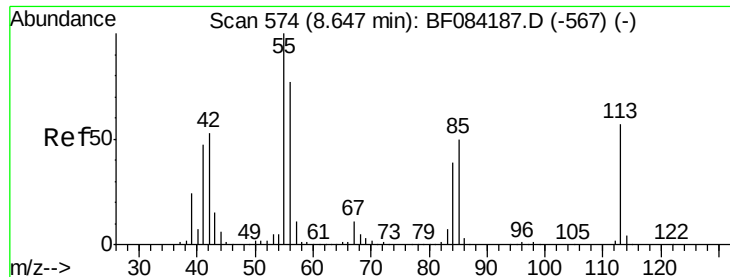
mohammad
1/21/2016 12:19:53 PM



#34
Hexachlorobutadiene
Concen: 42.94 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	49.4	74.0	
227	65.5	50.8	76.2	





#35

Caprolactam

Concen: 43.09 ng/ml

RT: 8.52 min Scan# 563

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleID :

PB87882BS

Tot Ion:113 Resp: 175969

Ion Ratio Lower Upper

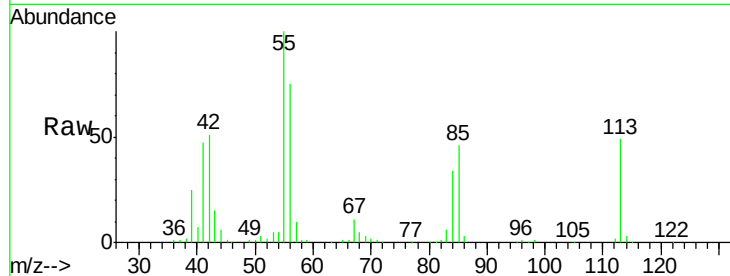
113 100

55 203.0 116.9 156.9#

56 152.7 93.8 133.8#

Manual Integrations
APPROVED

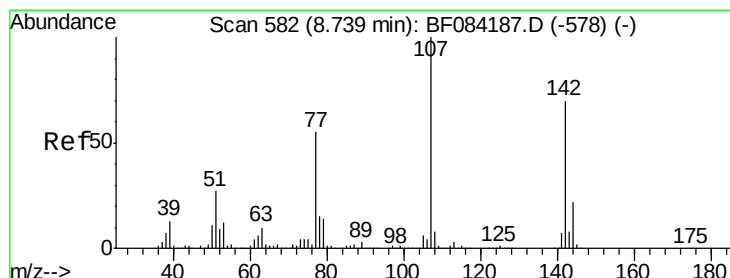
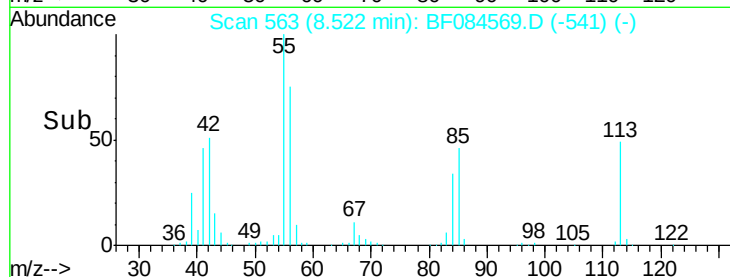
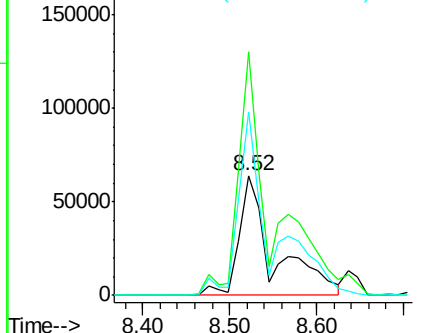
mohammad
1/21/2016 12:19:53 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 44.08 ng/ml

RT: 8.64 min Scan# 573

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

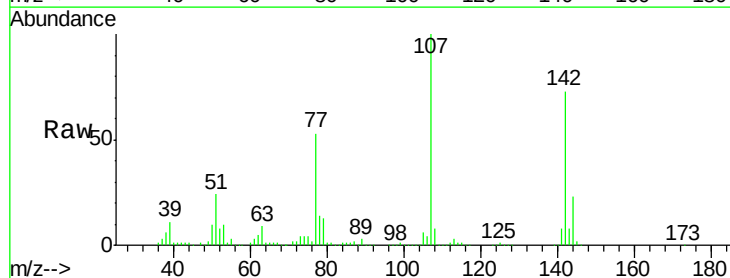
Tgt Ion:107 Resp: 598068

Ion Ratio Lower Upper

107 100

144 23.2 19.7 29.5

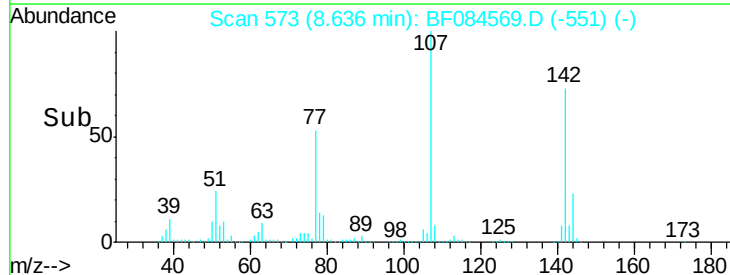
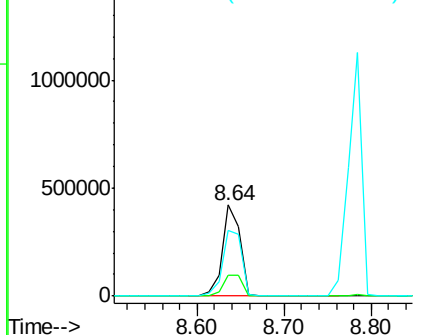
142 72.7 61.8 92.6

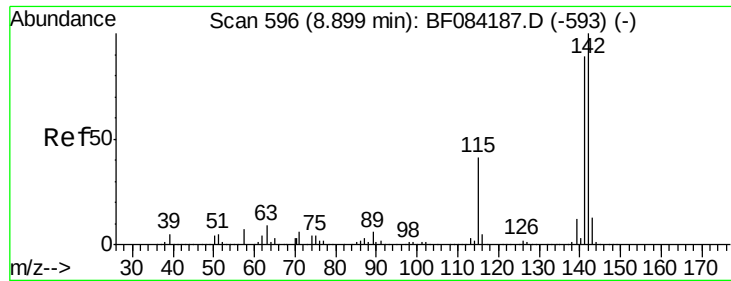


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 43.96 ng

RT: 8.78 min Scan# 586

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion:142 Resp: 1240198

Ion Ratio Lower Upper

142 100

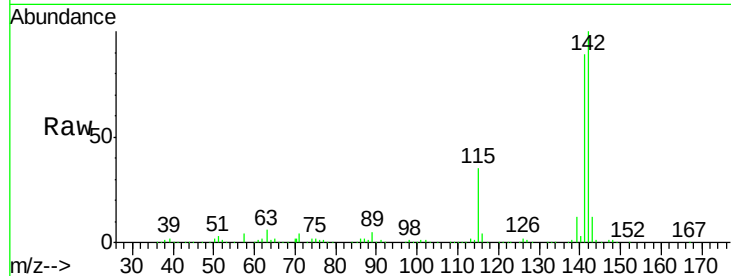
141 88.5 72.4 108.6

115 35.2 27.9 41.9

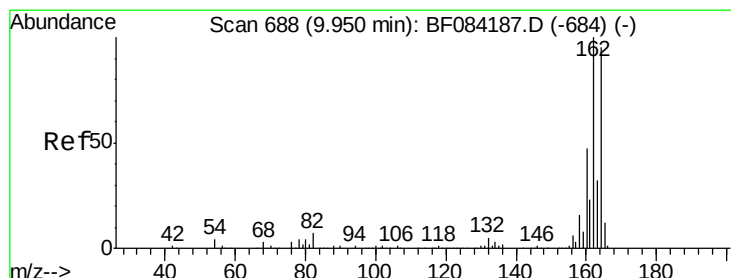
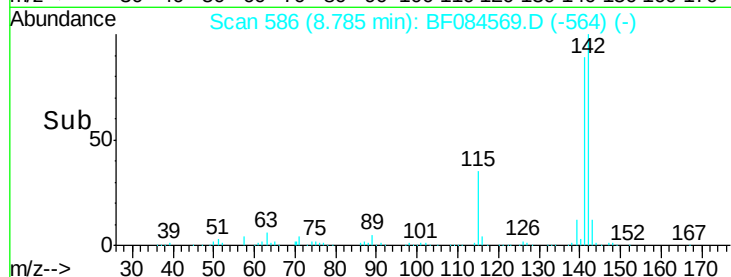
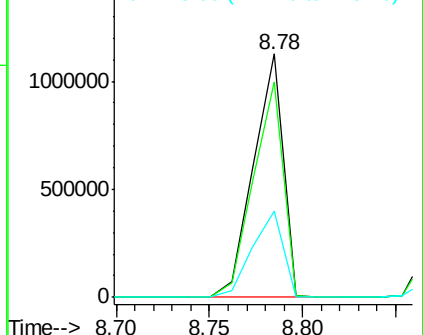
Manual Integrations
APPROVED

mohammad

1/21/2016 12:19:53 PM



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

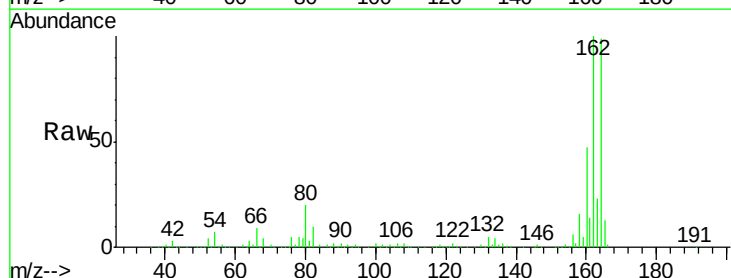
Tgt Ion:164 Resp: 421413

Ion Ratio Lower Upper

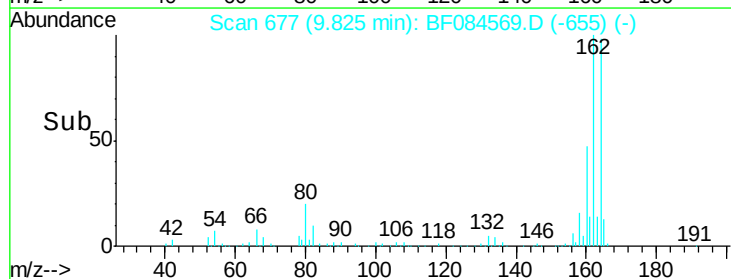
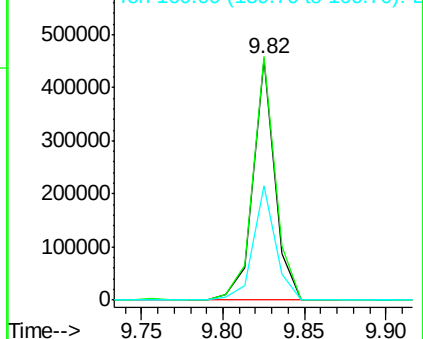
164 100

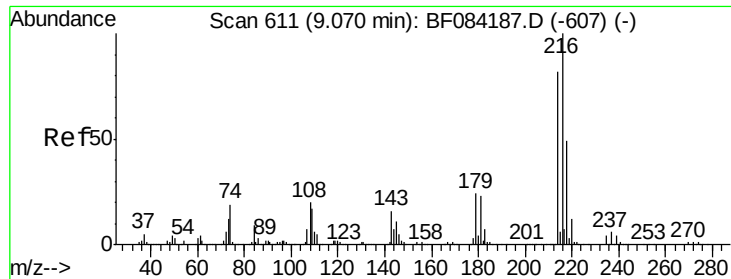
162 100.9 85.1 127.7

160 47.3 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





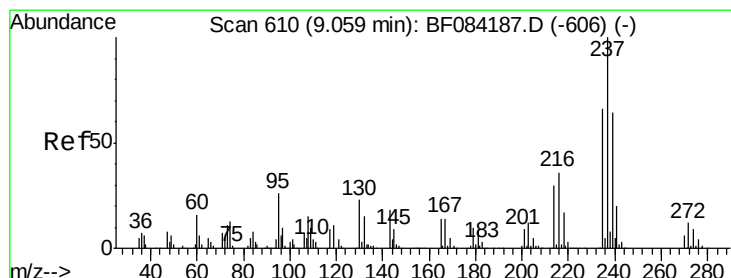
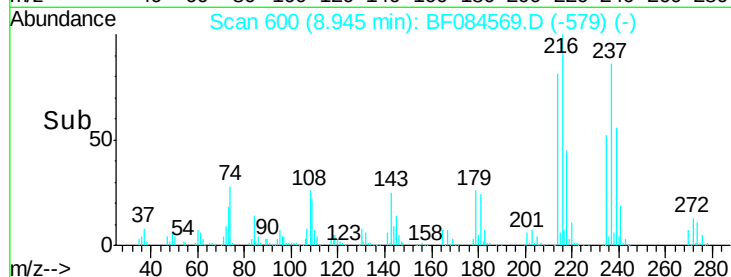
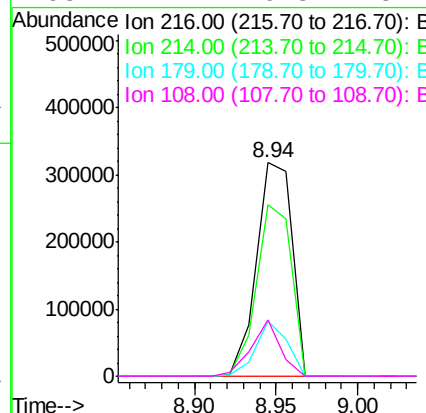
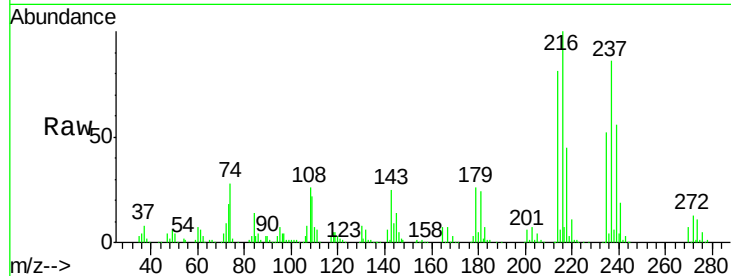
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 39.81 ng
 RT: 8.94 min Scan# 600
 Delta R.T. -0.06 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Instrument :
 BNA_F
 ClientSampleID :
 PB87882BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		482316		
214	78.9	64.2	96.2		
179	22.6	18.7	28.1		
108	21.4	16.8	25.2		

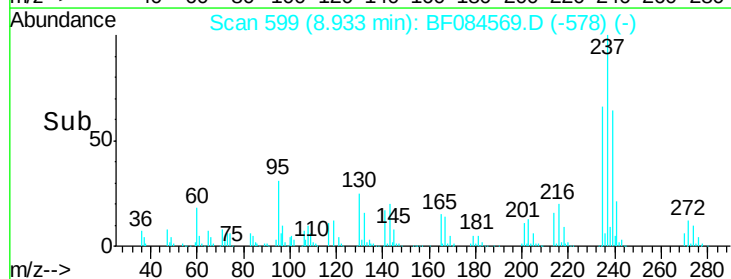
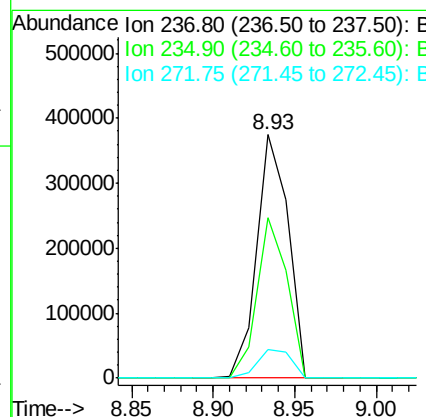
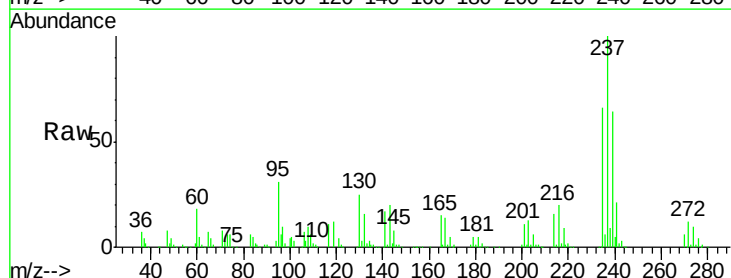
Manual Integrations
 APPROVED

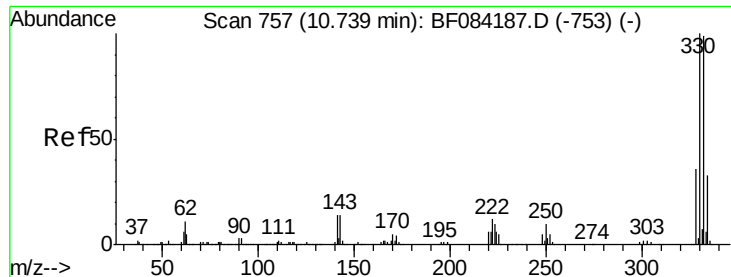
mohammad
 1/21/2016 12:19:53 PM



#40
 Hexachlorocyclopentadiene
 Concen: 68.20 ng
 RT: 8.93 min Scan# 599
 Delta R.T. -0.06 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		498741		
235	65.9	43.1	83.1		
272	11.7	0.0	35.1		





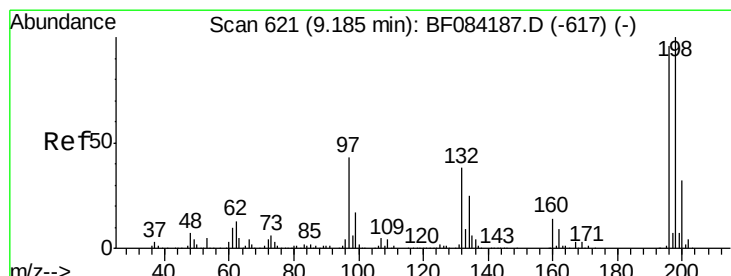
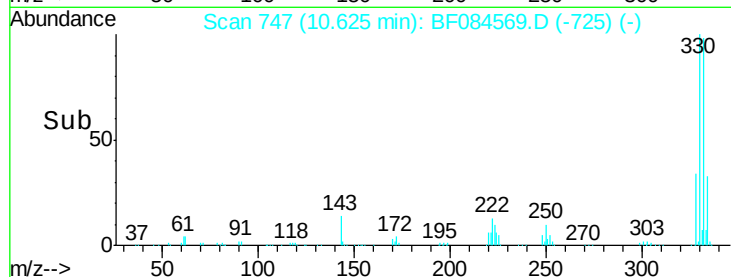
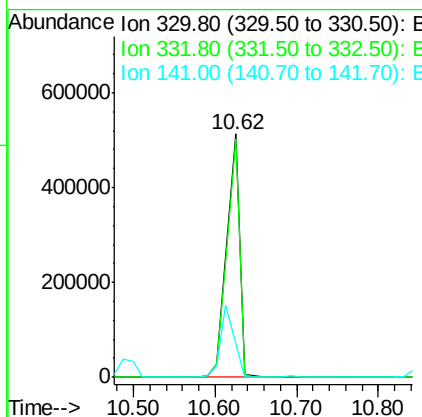
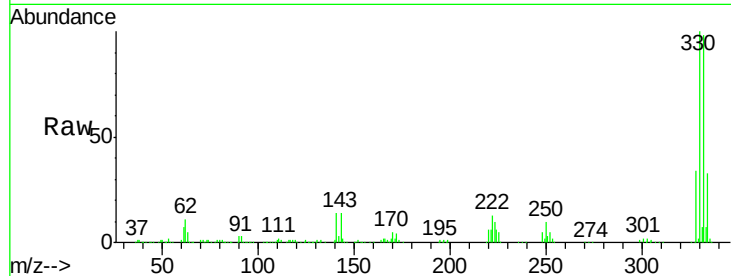
#41
 2,4,6-Tribromophenol
 Concen: 131.34 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Instrument :
 BNA_F
 ClientSampleId :
 PB87882BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	558799		
332	97.0		76.6	114.8
141	31.3		27.8	41.6

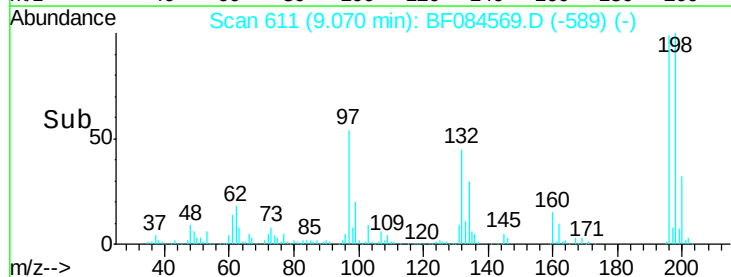
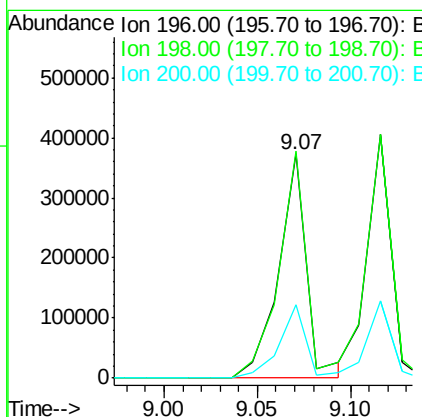
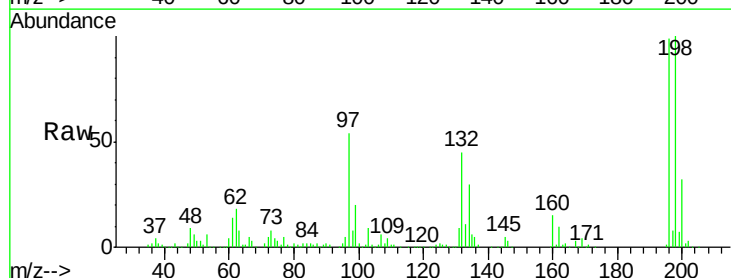
Manual Integrations
 APPROVED

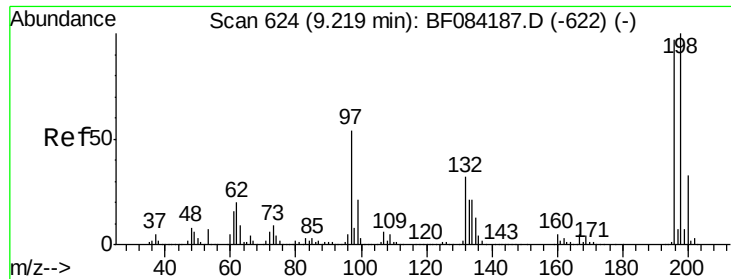
mohammad
 1/21/2016 12:19:53 PM



#42
 2,4,6-Trichlorophenol
 Concen: 43.11 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.05 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	390717		
198	101.4		77.7	116.5
200	32.7		24.6	37.0





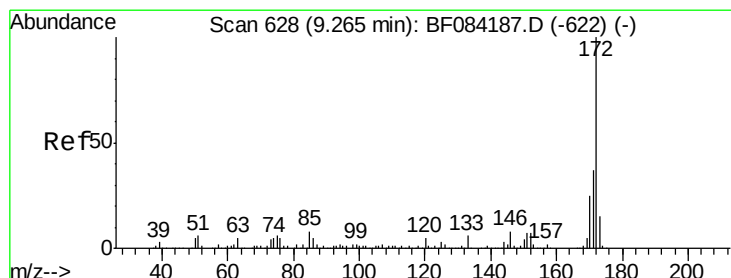
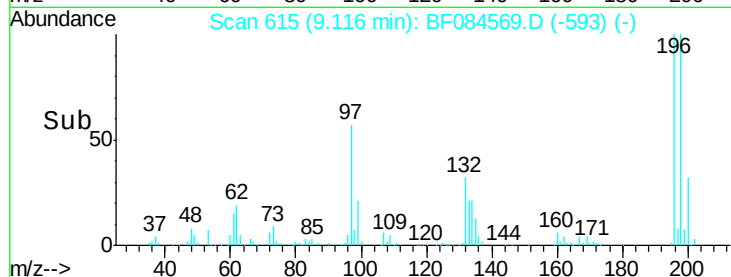
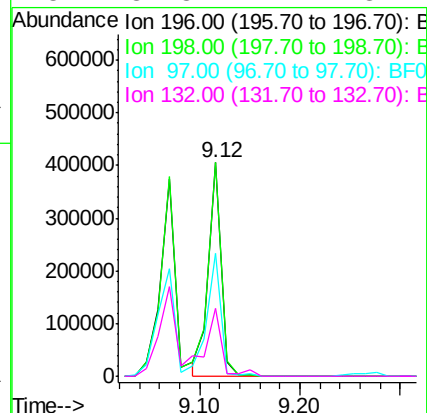
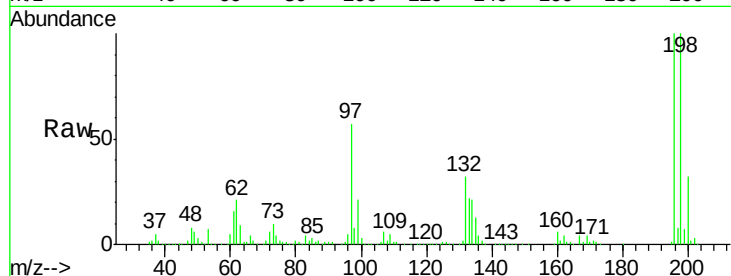
#43
 2,4,5-Trichlorophenol
 Concen: 41.38 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.05 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Instrument :
 BNA_F
 ClientSampleId :
 PB87882BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	100.1	79.0	118.6	
97	57.5	33.0	49.6	
132	31.8	21.1	31.7	

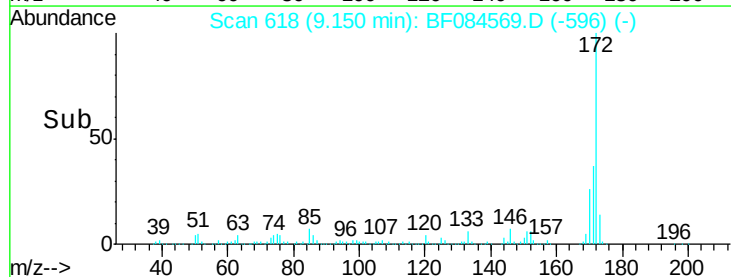
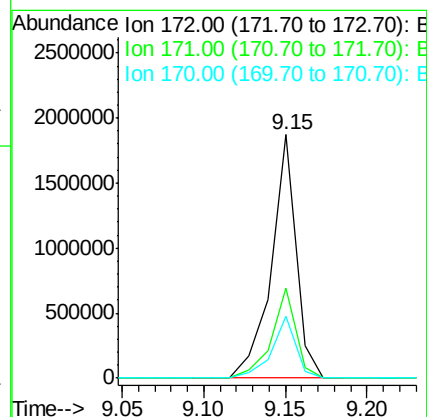
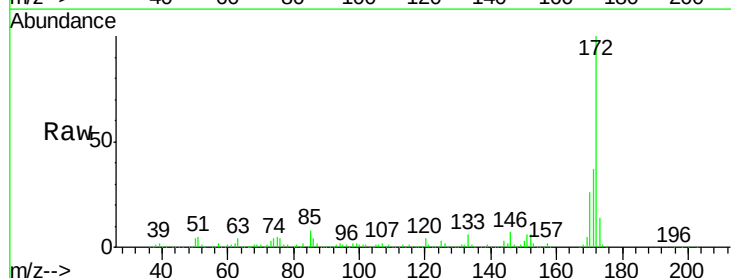
Manual Integrations
 APPROVED

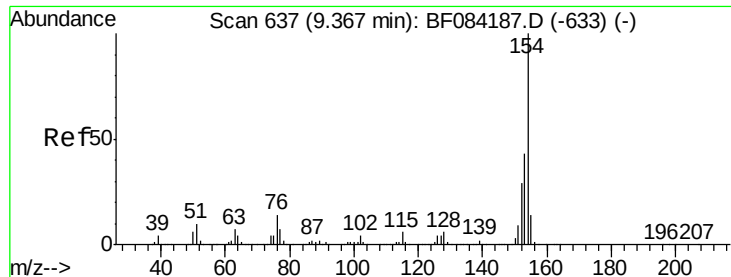
mohammad
 1/21/2016 12:19:53 PM



#44
 2-Fluorobiphenyl
 Concen: 83.16 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.05 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.2	28.9	43.3	
170	25.5	18.6	27.8	





#45

1,1'-Biphenyl

Concen: 44.73 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion:154 Resp: 1498172

Ion Ratio Lower Upper

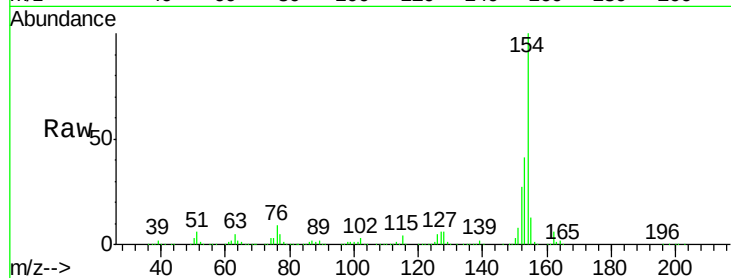
154 100

153 41.4 21.6 61.6

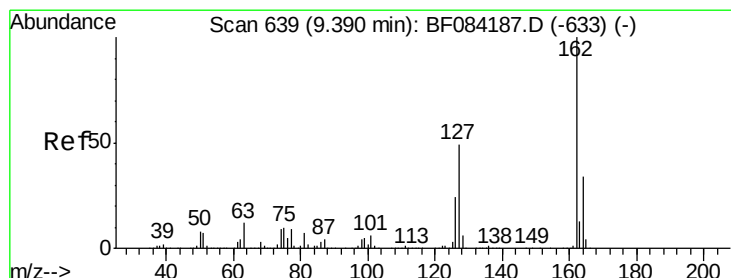
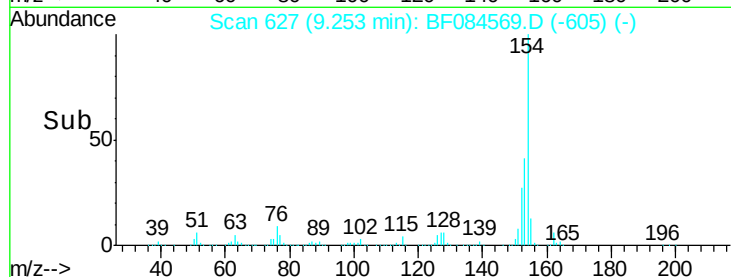
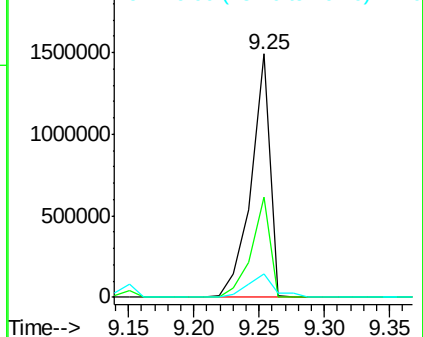
76 9.4 0.0 32.7

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



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: 42.01 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

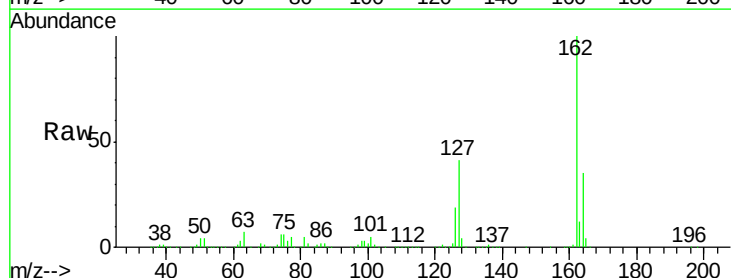
Tgt Ion:162 Resp: 1105145

Ion Ratio Lower Upper

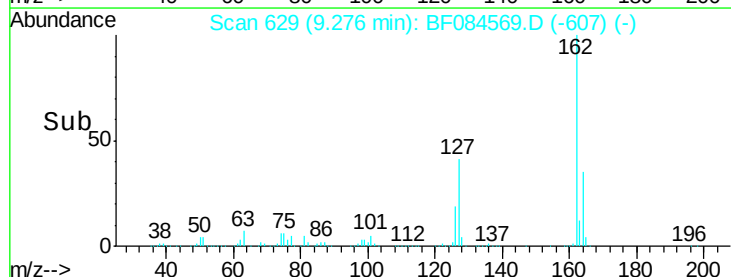
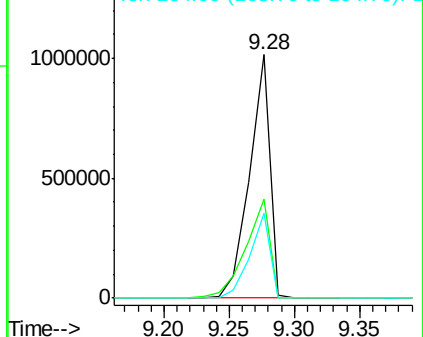
162 100

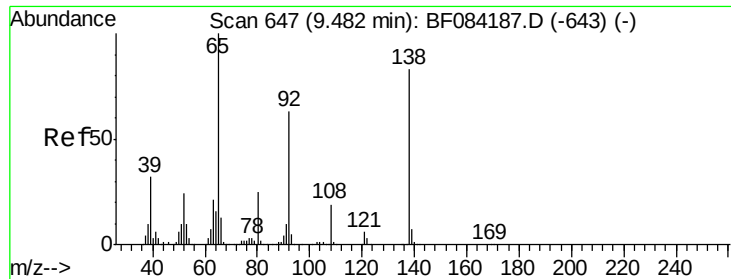
127 40.6 40.2 60.4

164 34.9 25.7 38.5



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





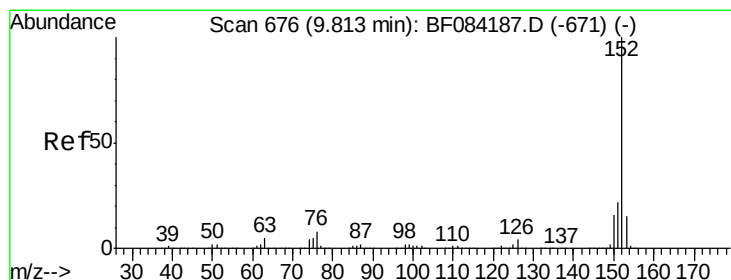
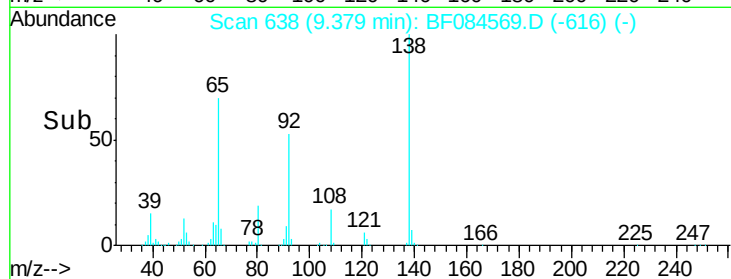
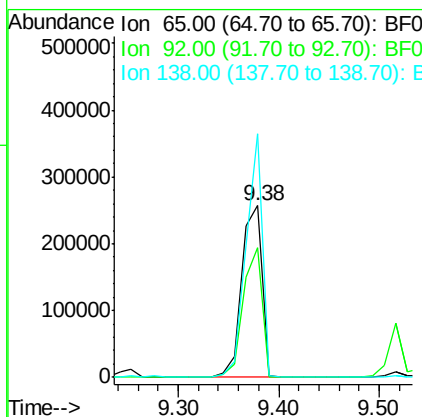
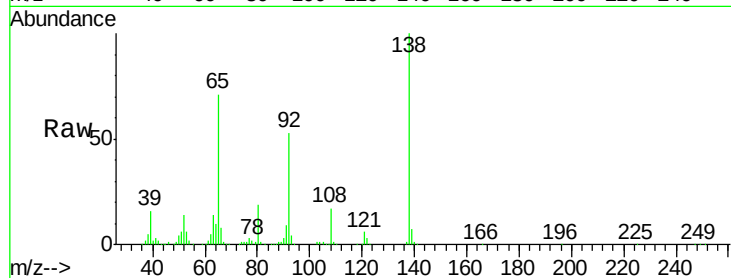
#47
2-Nitroaniline
Concen: 41.49 ng
RT: 9.38 min Scan# 638
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	75.6	53.4	80.2
138	141.8	71.1	106.7

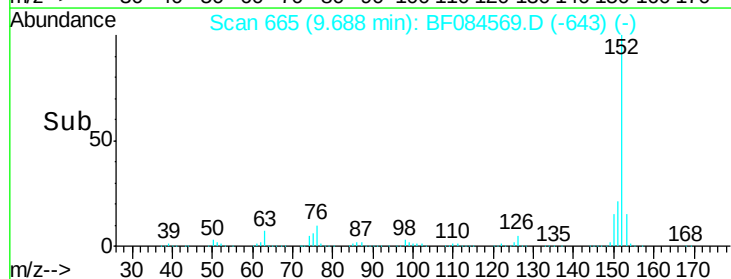
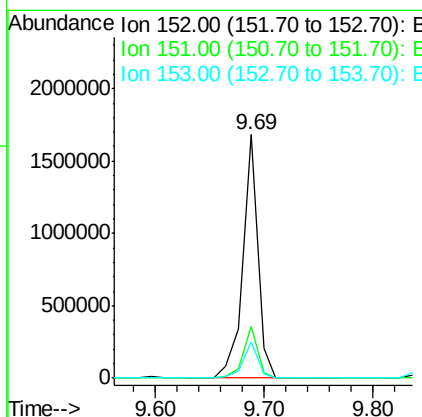
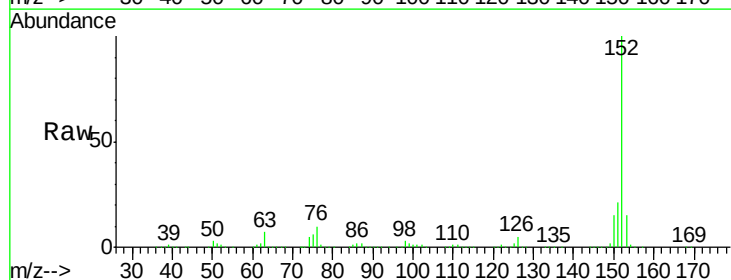
Manual Integrations
APPROVED

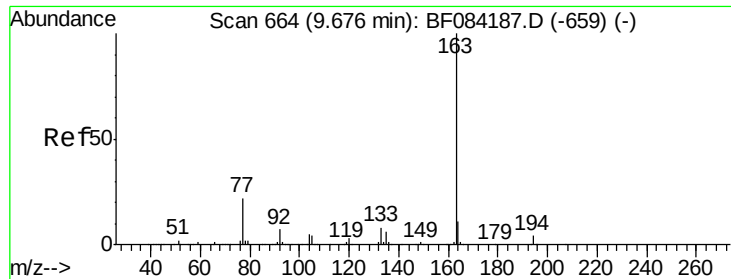
mohammad
1/21/2016 12:19:53 PM



#48
Acenaphthylene
Concen: 40.81 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.3	24.5
153	15.1	10.4	15.6





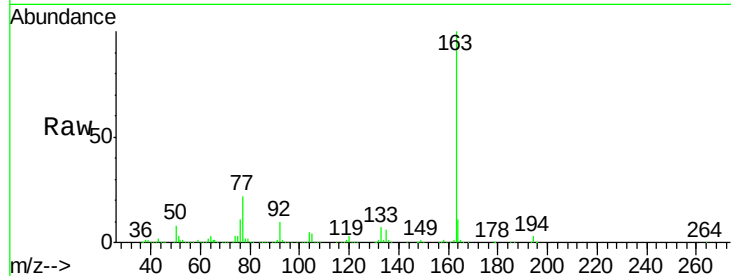
#49
Dimethylphthalate
Concen: 43.91 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

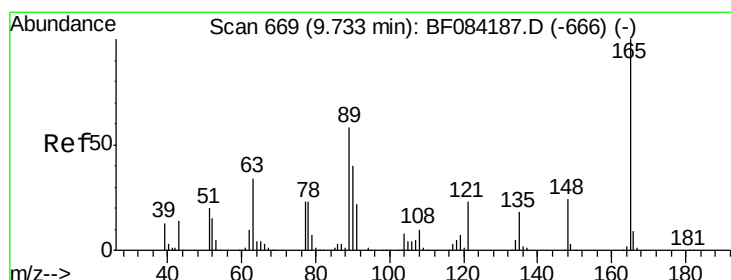
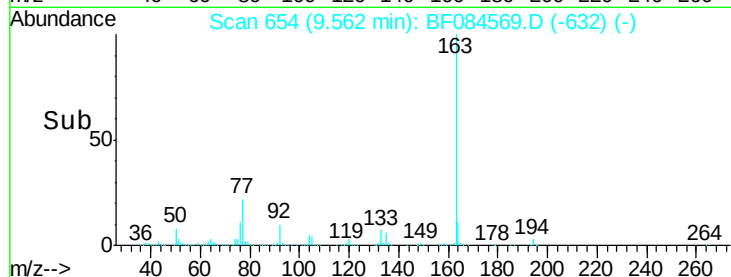
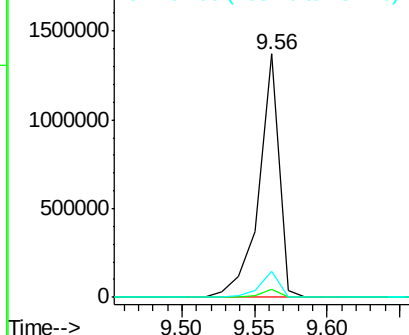
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	8.0	12.0#
164	10.8	8.0	12.0

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM

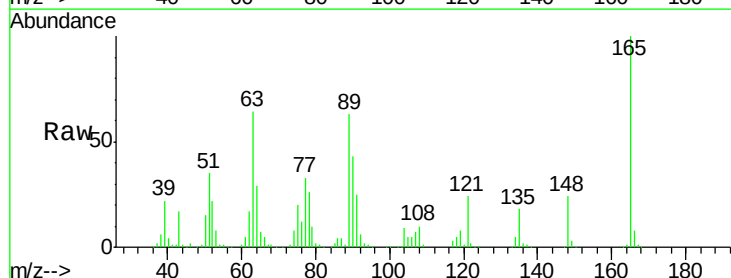


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

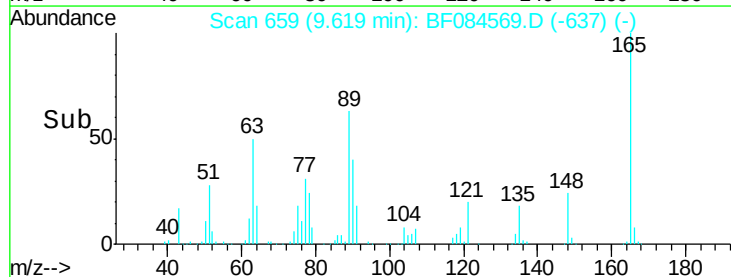
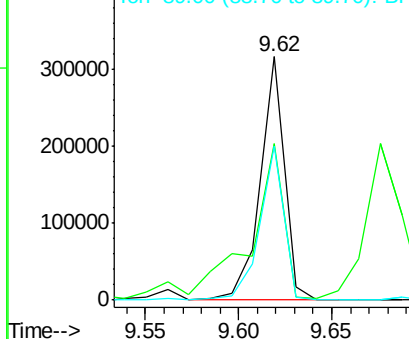


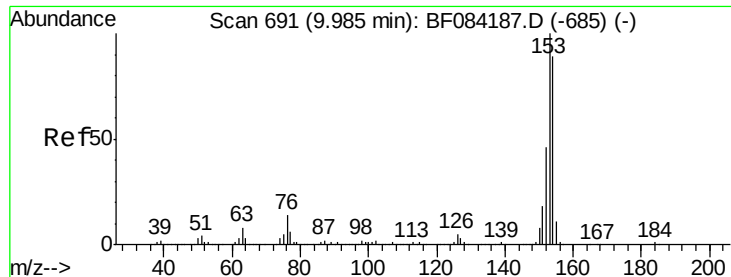
#50
2,6-Dinitrotoluene
Concen: 42.37 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	64.2	28.8	43.2#
89	63.2	35.1	52.7#



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: 38.54 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion:154 Resp: 1004687

Ion Ratio Lower Upper

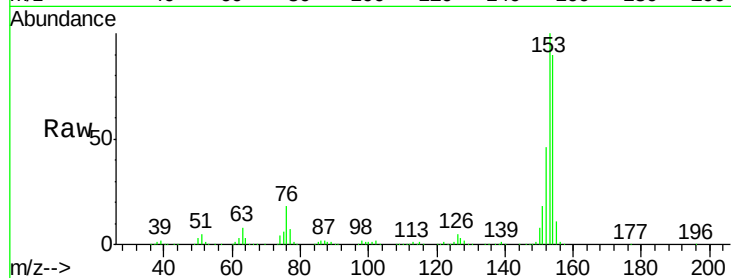
154 100

153 111.3 91.5 137.3

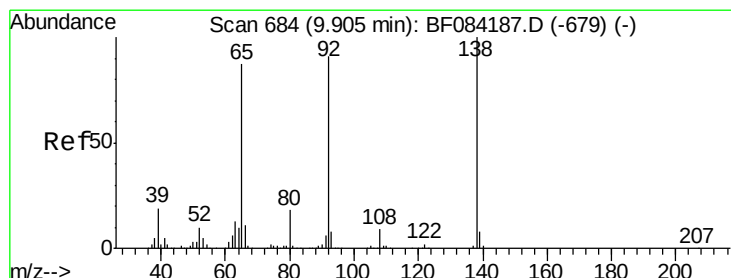
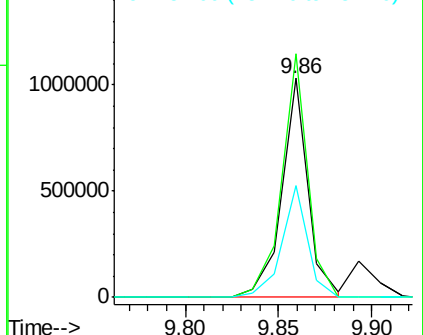
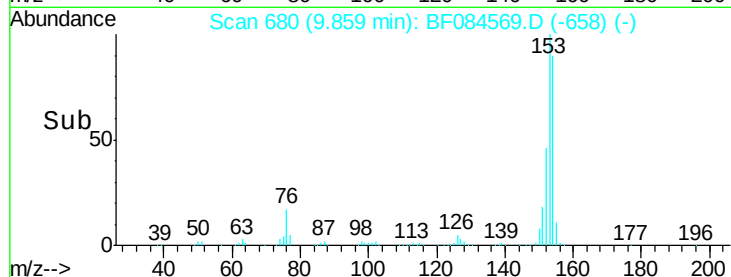
152 51.2 43.0 64.6

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 11.78 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

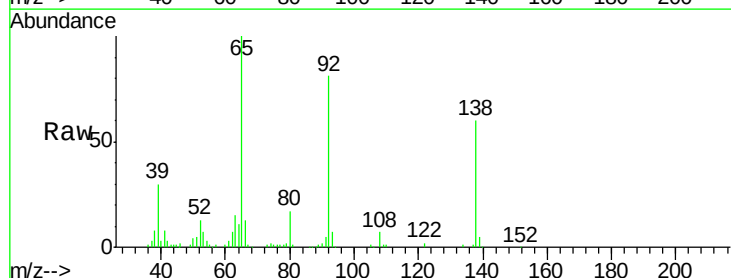
Tgt Ion:138 Resp: 96421

Ion Ratio Lower Upper

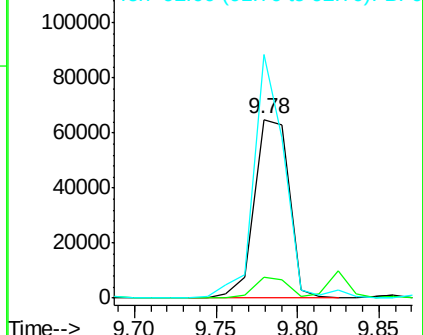
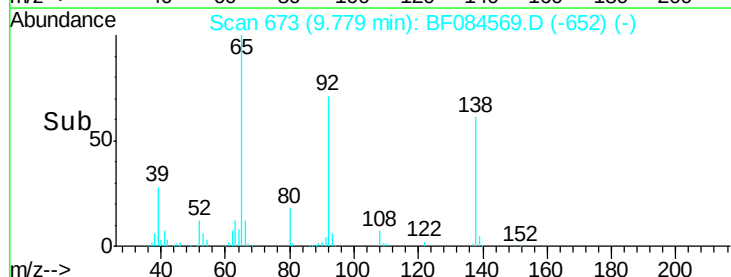
138 100

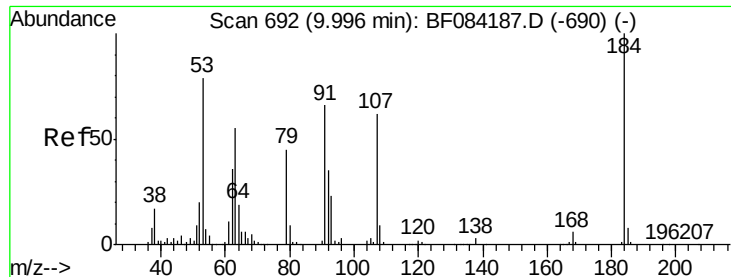
108 11.6 10.5 15.7

92 136.1 103.9 155.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





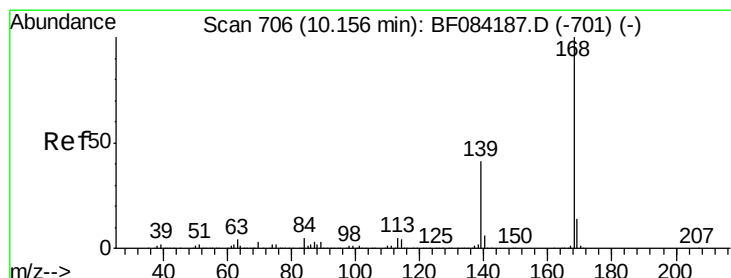
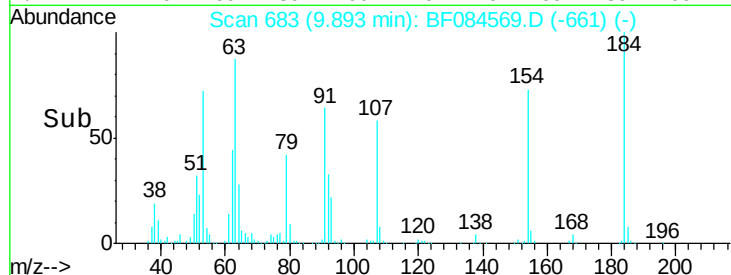
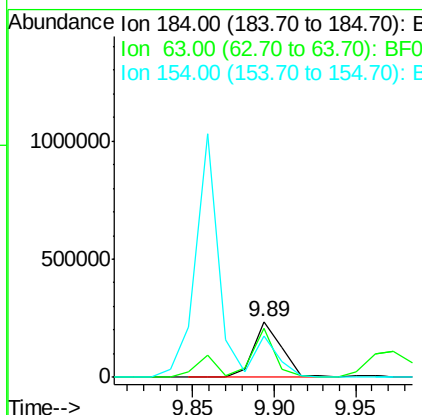
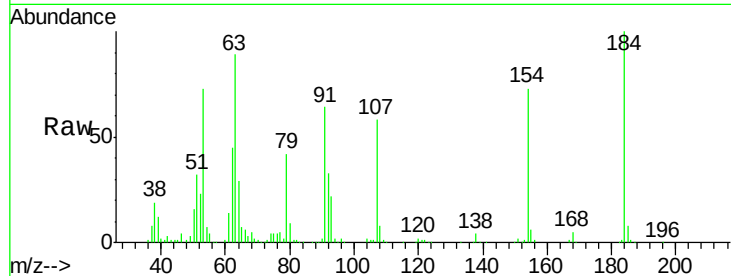
#53
2,4-Dinitrophenol
Concen: 99.42 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	282377		
63	88.6	43.1	64.7#	
154	73.3	60.5	90.7	

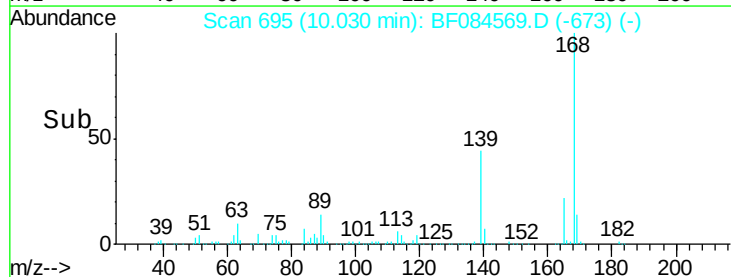
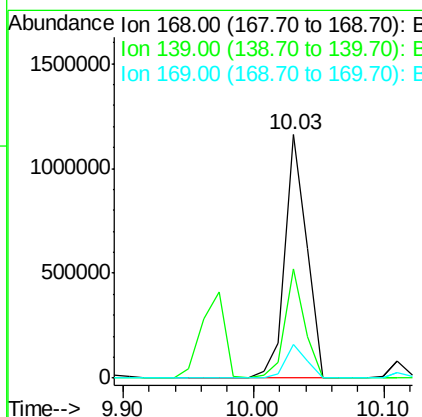
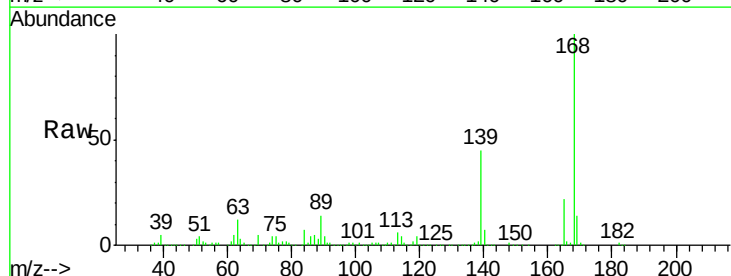
Manual Integrations
APPROVED

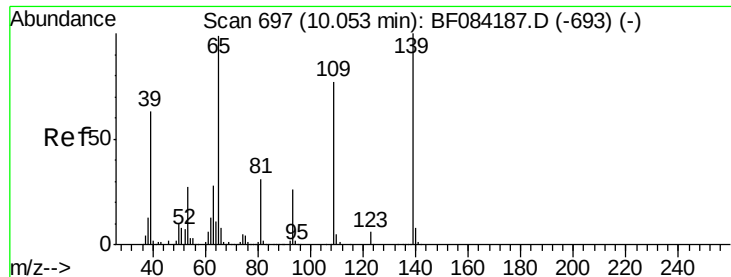
mohammad
1/21/2016 12:19:53 PM



#54
Dibenzofuran
Concen: 39.96 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1360603		
139	44.9	30.5	45.7	
169	14.1	10.4	15.6	





#55

4-Nitrophenol

Concen: 86.21 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

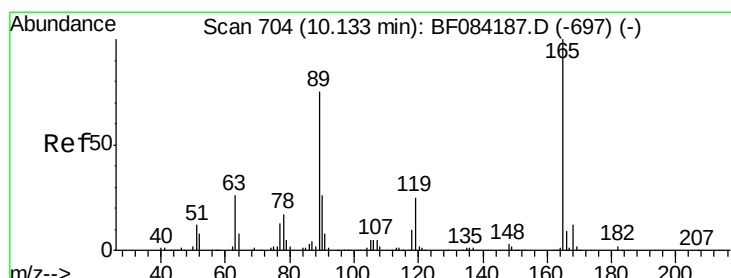
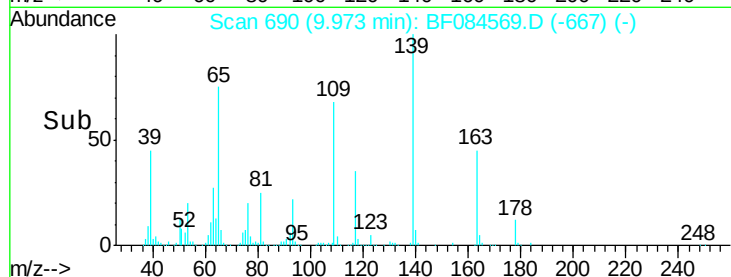
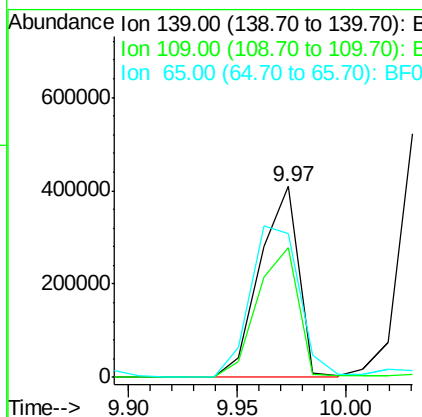
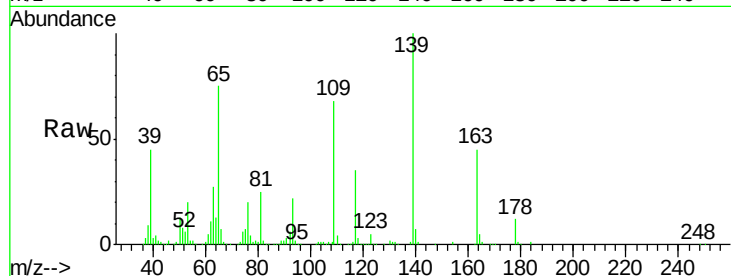
ClientSampleId :

PB87882BS

Tot Ion:	139	Resp:	512375
Ion Ratio	Lower	Upper	
139	100		
109	67.8	58.5	98.5
65	75.2	57.6	97.6

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#56

2,4-Dinitrotoluene

Concen: 44.74 ng

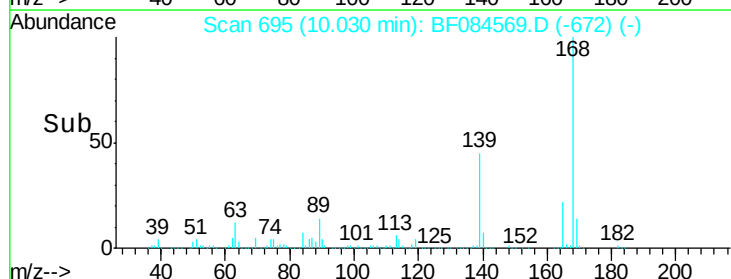
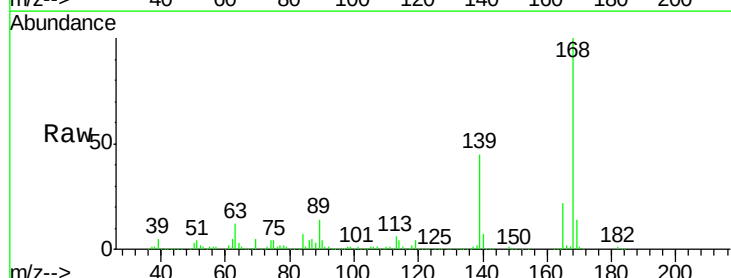
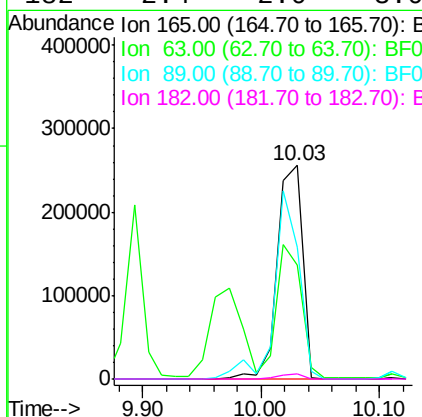
RT: 10.03 min Scan# 695

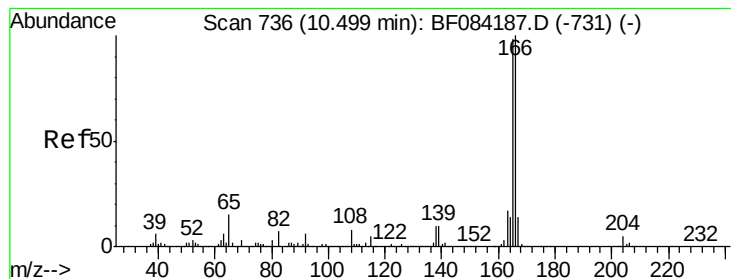
Delta R.T. -0.03 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion:	165	Resp:	374187
Ion Ratio	Lower	Upper	
165	100		
63	53.3	36.7	55.1
89	61.7	61.9	92.9#
182	2.4	2.0	3.0





#57

Fluorene

Concen: 39.88 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion:166 Resp: 1048303

Ion Ratio Lower Upper

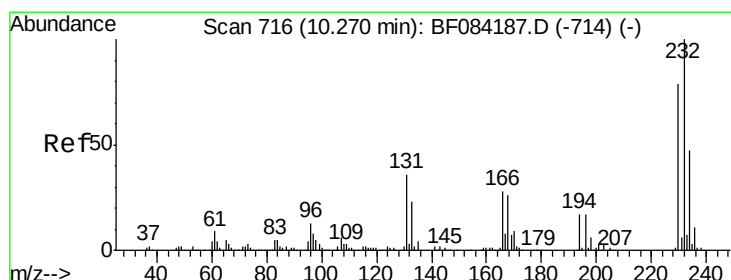
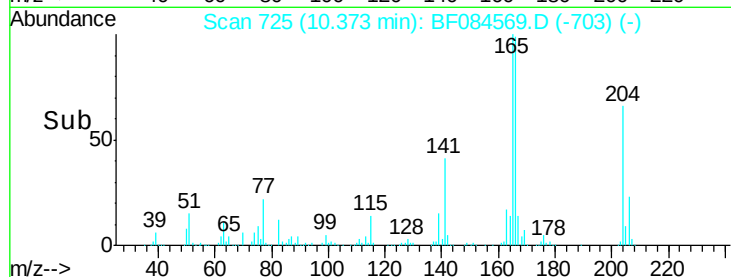
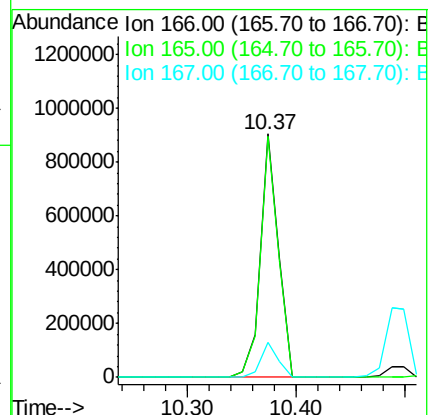
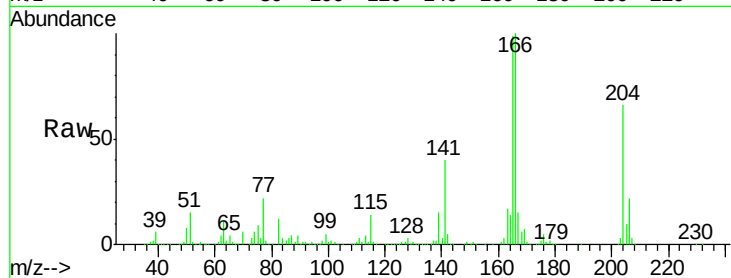
166 100

165 98.9 79.1 118.7

167 14.5 10.4 15.6

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 41.54 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion:232 Resp: 308191

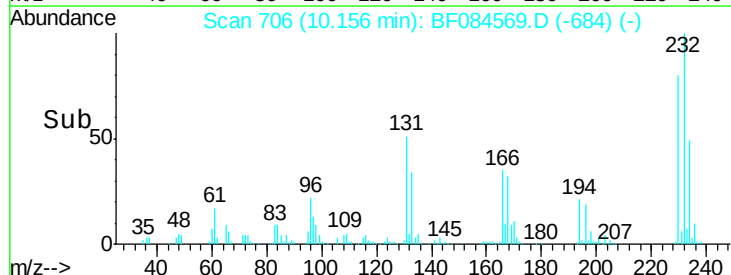
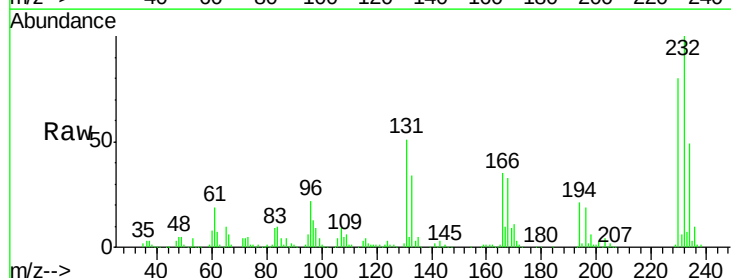
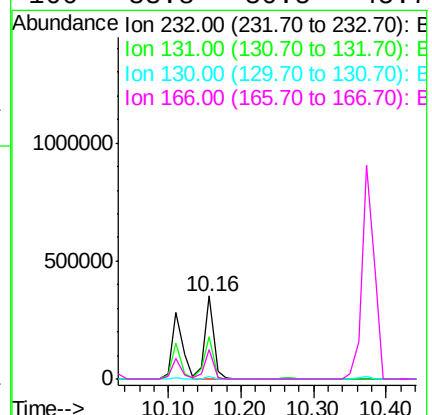
Ion Ratio Lower Upper

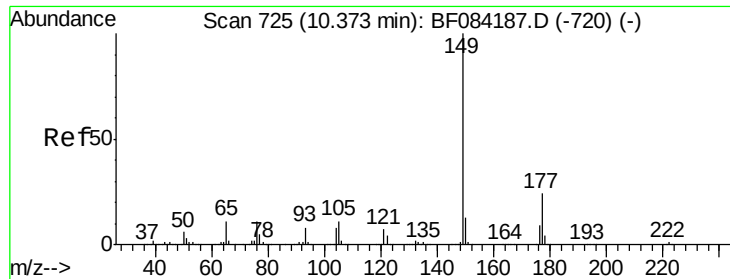
232 100

131 51.7 47.0 70.6

130 2.5 2.0 3.0

166 33.8 30.5 45.7





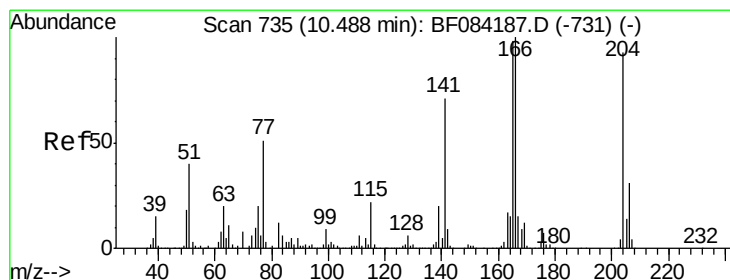
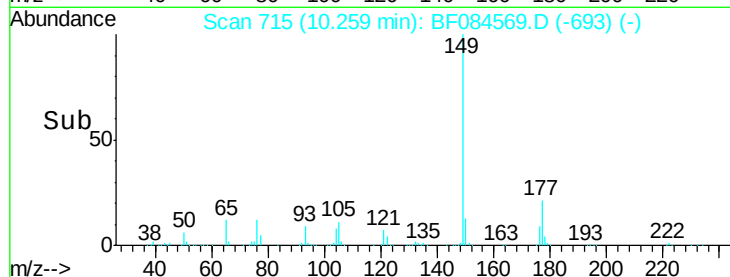
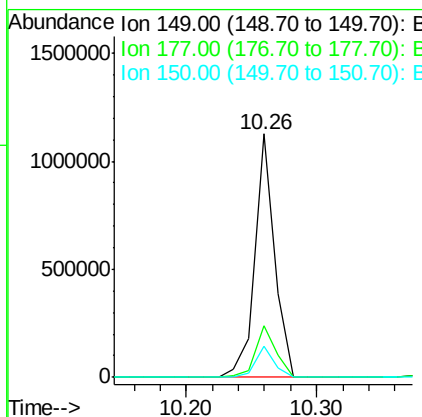
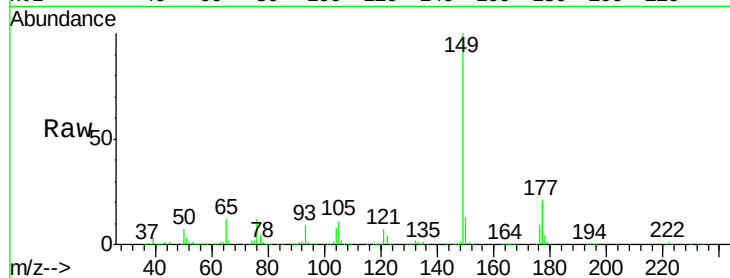
#59
Diethylphthalate
Concen: 39.92 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.3	25.9
150	13.0	9.8	14.8

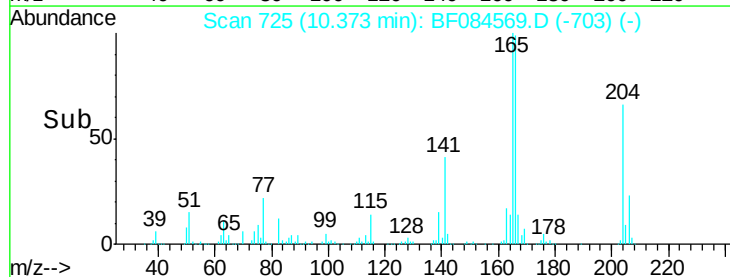
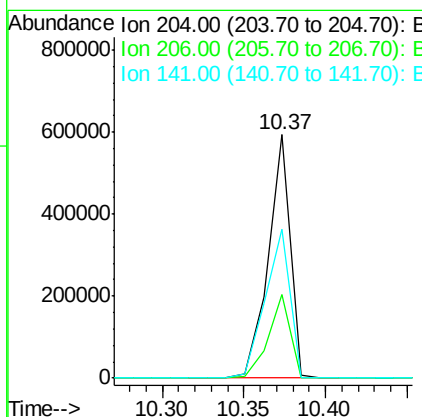
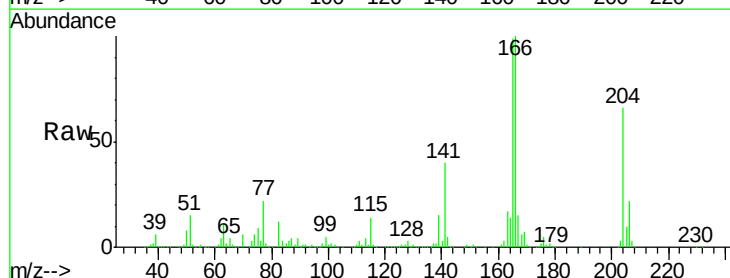
Manual Integrations
APPROVED

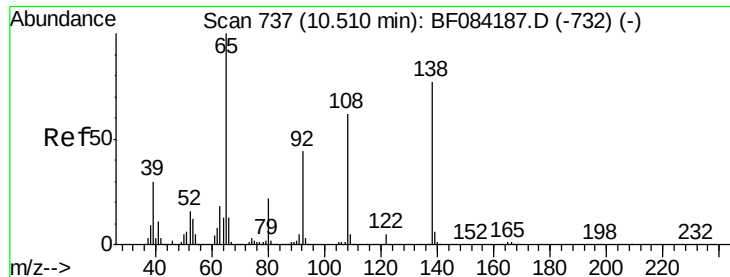
mohammad
1/21/2016 12:19:53 PM



#60
4-Chlorophenyl-phenylether
Concen: 51.51 ng
RT: 10.37 min Scan# 725
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.1	25.7	38.5
141	61.3	55.1	82.7





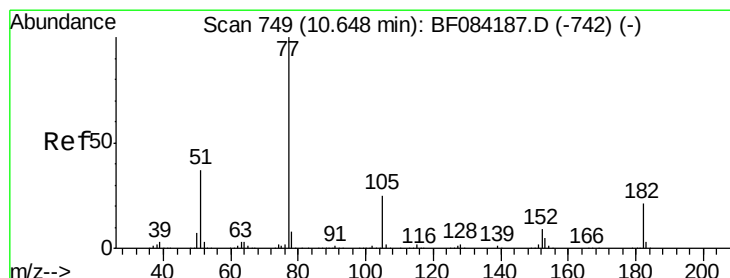
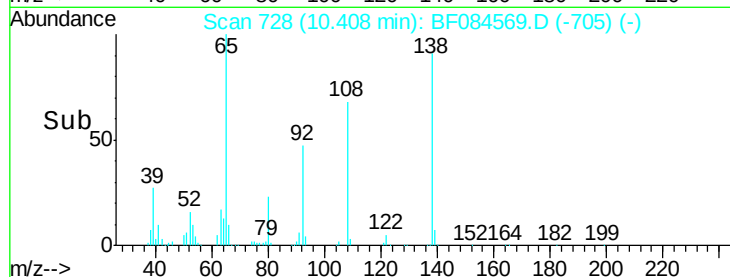
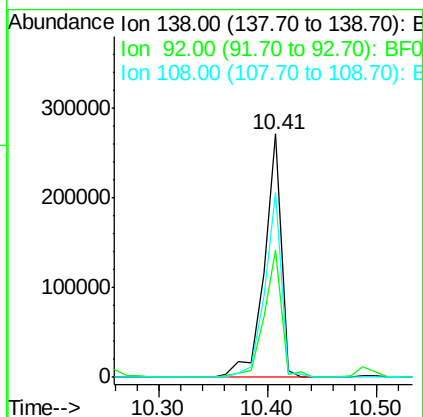
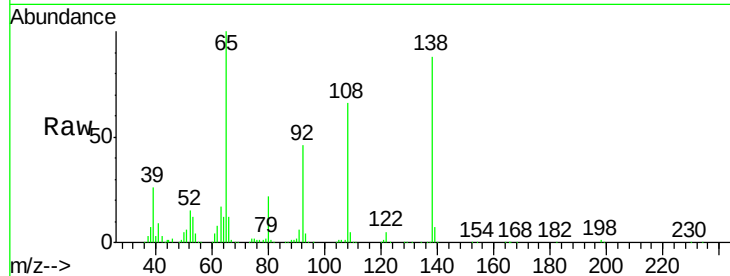
#61
4-Nitroaniline
Concen: 40.89 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	52.0	32.6	72.6
108	75.7	68.6	108.6

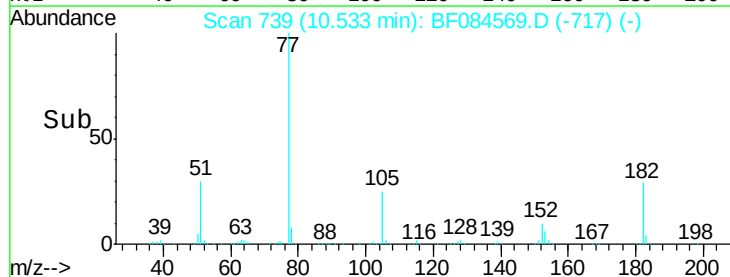
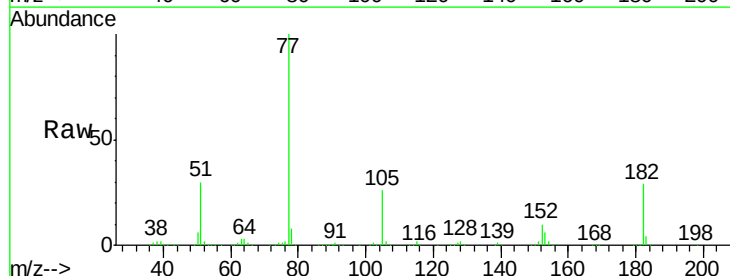
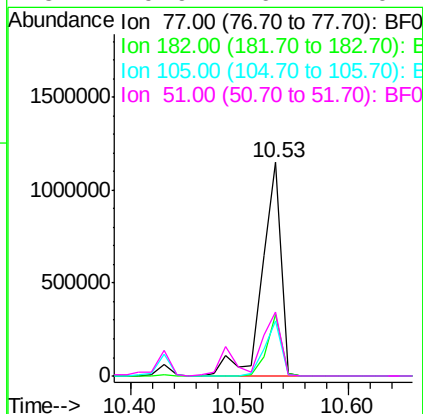
Manual Integrations
APPROVED

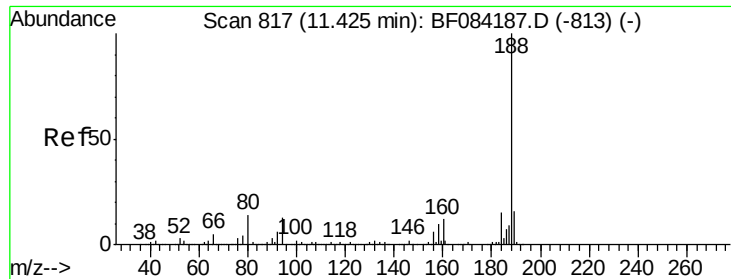
mohammad
1/21/2016 12:19:53 PM



#62
Azobenzene
Concen: 42.96 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.5	8.3	48.3
105	25.8	4.6	44.6
51	29.9	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

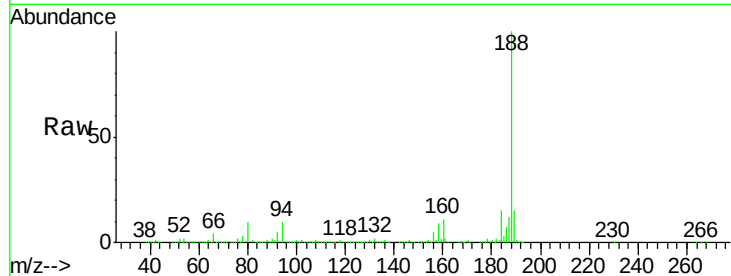
ClientSampleId :

PB87882BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	775885		
94	9.6		9.0	13.4
80	10.1		9.6	14.4

Manual Integrations
APPROVED

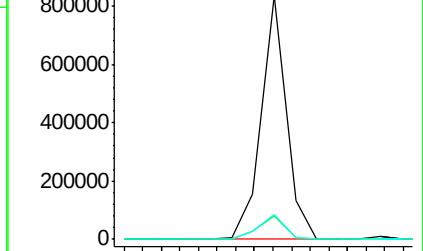
mohammad
1/21/2016 12:19:53 PM



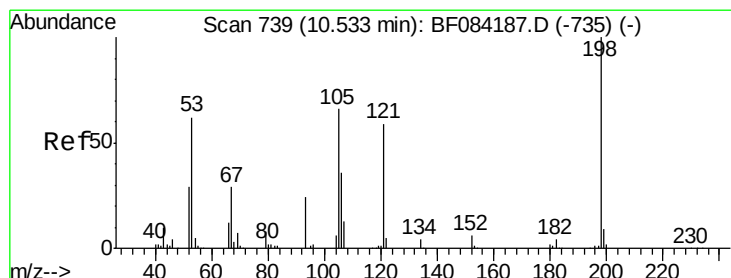
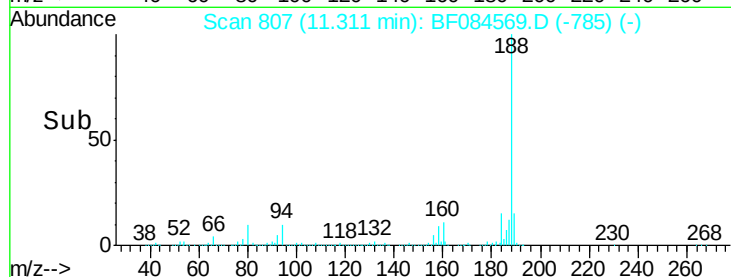
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 40.66 ng

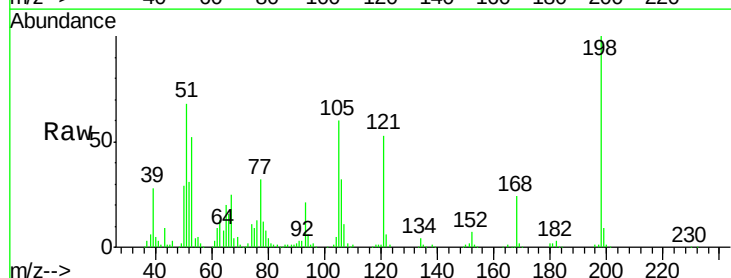
RT: 10.43 min Scan# 730

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

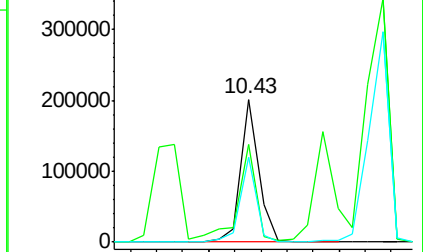
Tgt Ion	Ratio	Resp	Lower	Upper
198	100	192717		
51	68.4		18.9	58.9#
105	59.7		26.4	66.4



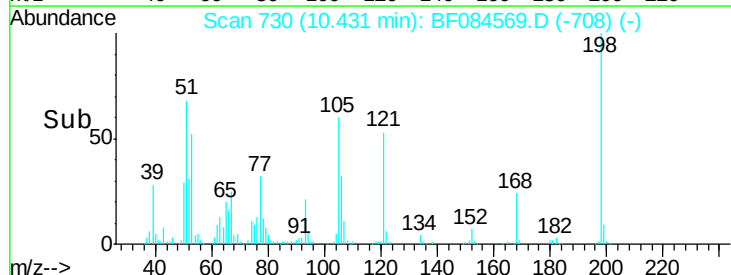
Abundance Ion 198.00 (197.70 to 198.70): E

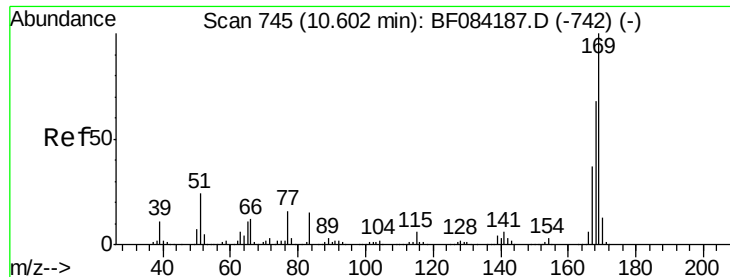
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->





#65

n-Nitrosodiphenylamine

Concen: 41.65 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion:169 Resp: 1033281

Ion Ratio Lower Upper

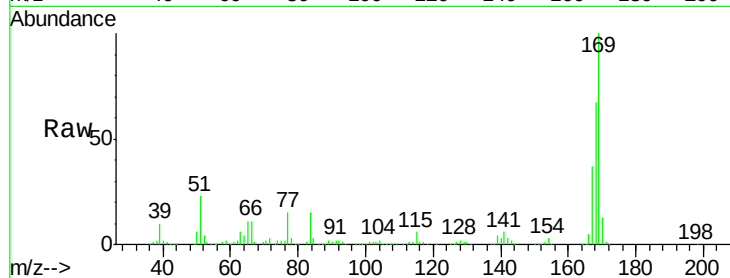
169 100

168 67.1 55.1 82.7

167 37.0 30.0 45.0

Manual Integrations
APPROVED

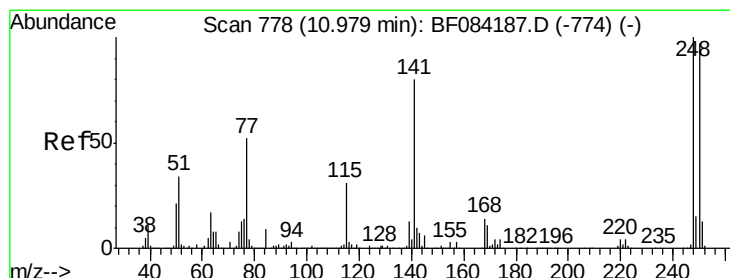
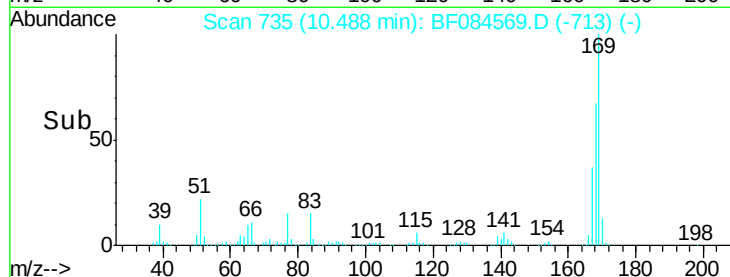
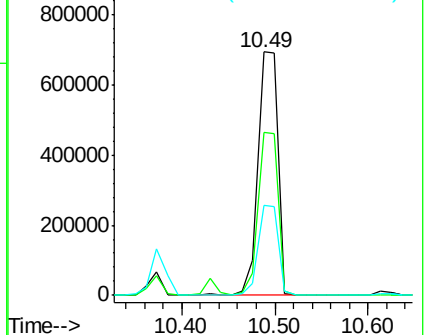
mohammad
1/21/2016 12:19:53 PM



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 42.93 ng

RT: 10.86 min Scan# 768

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

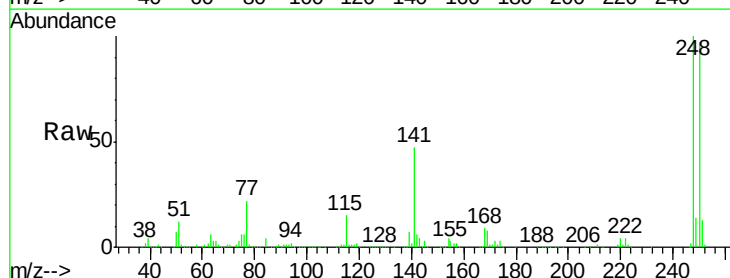
Tgt Ion:248 Resp: 358514

Ion Ratio Lower Upper

248 100

250 97.4 78.4 117.6

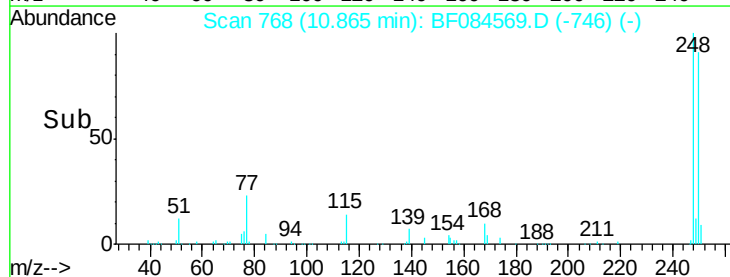
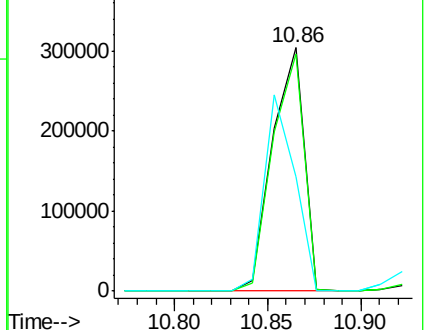
141 47.0 44.0 66.0

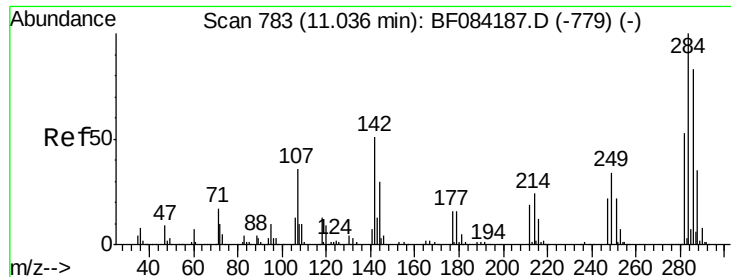


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 38.95 ng

RT: 10.92 min Scan# 773

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

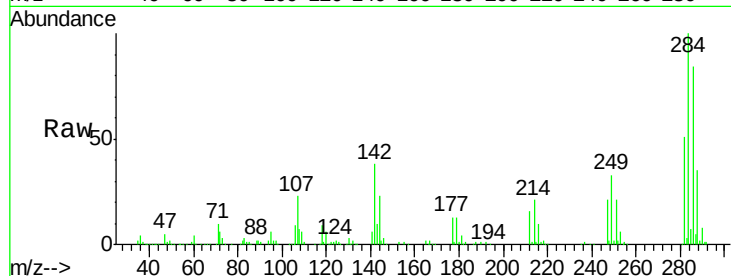
ClientSampleId :

PB87882BS

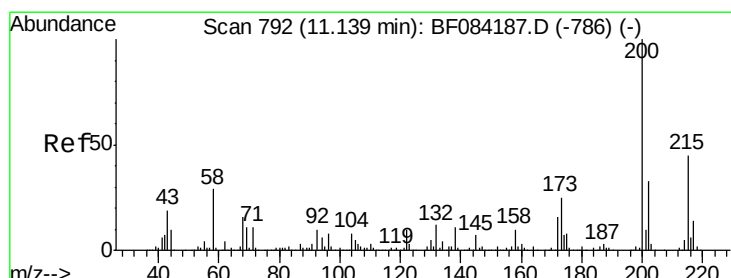
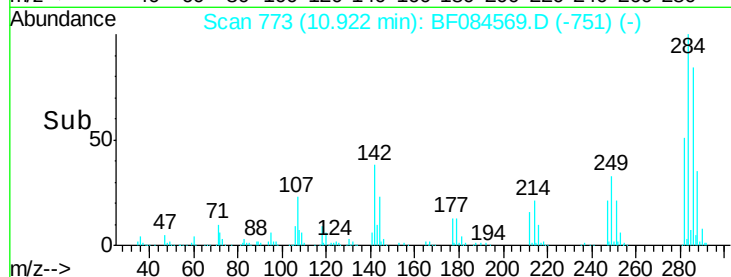
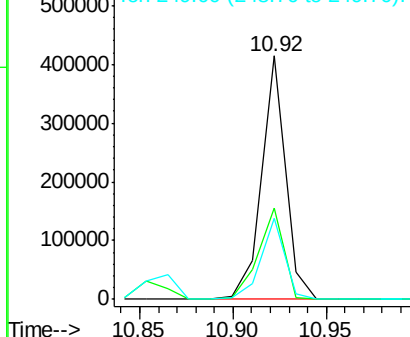
Tot Ion:	284	Resp:	366120
Ion Ratio		Lower	Upper
284	100		
142	37.6	22.2	33.4#
249	33.1	24.6	37.0

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



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



#68

Atrazine

Concen: 39.19 ng

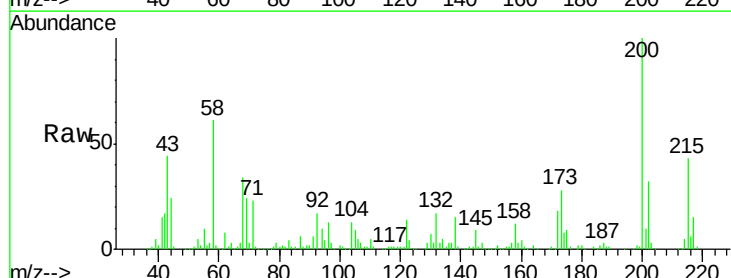
RT: 11.02 min Scan# 782

Delta R.T. -0.05 min

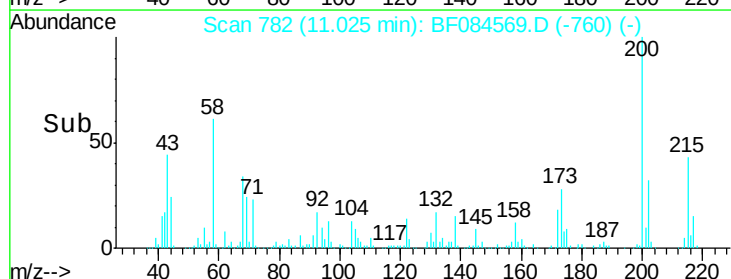
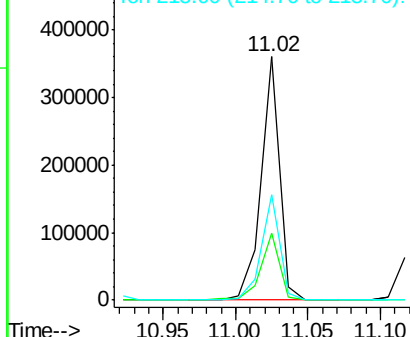
Lab File: BF084569.D

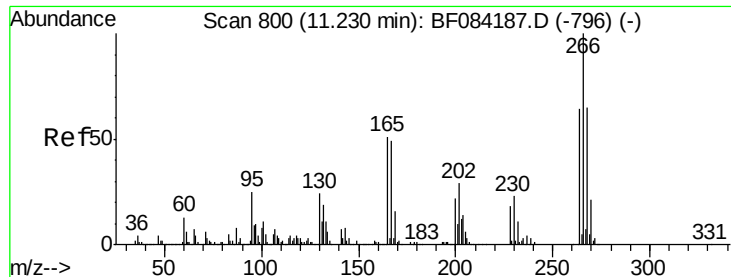
Acq: 20 Jan 2016 17:22

Tgt Ion:	200	Resp:	318147
Ion Ratio		Lower	Upper
200	100		
173	27.8	9.5	49.5
215	43.4	23.8	63.8



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





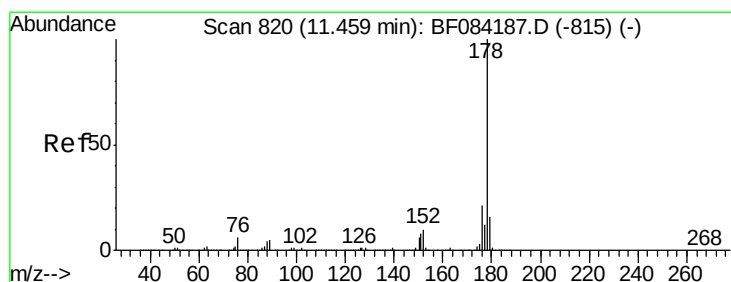
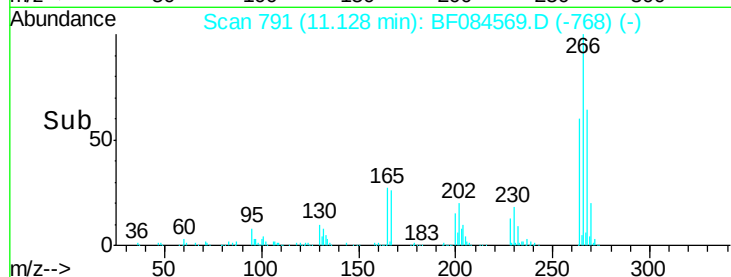
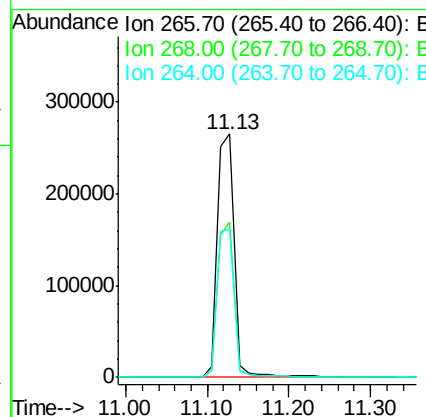
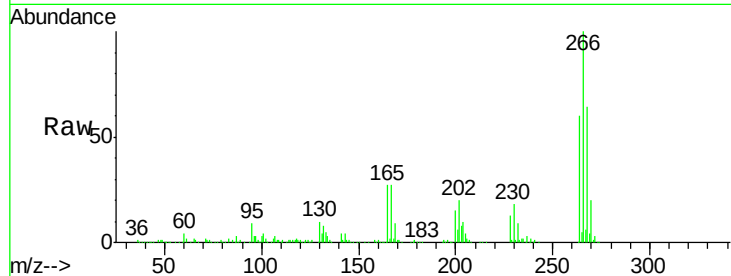
#69
 Pentachlorophenol
 Concen: 79.45 ng
 RT: 11.13 min Scan# 791
 Delta R.T. -0.03 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Instrument :
 BNA_F
 ClientSampleId :
 PB87882BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	387221		
268	63.6	52.4	78.6	
264	60.4	50.2	75.2	

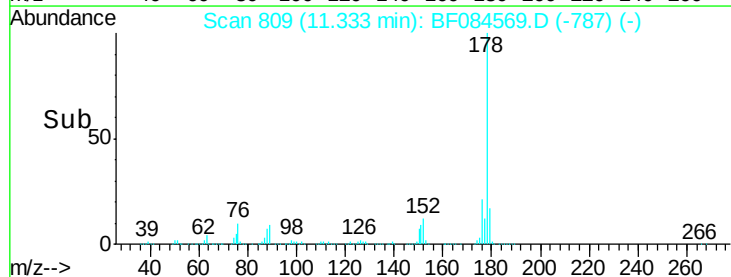
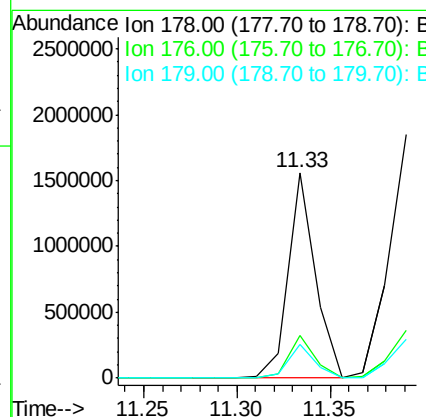
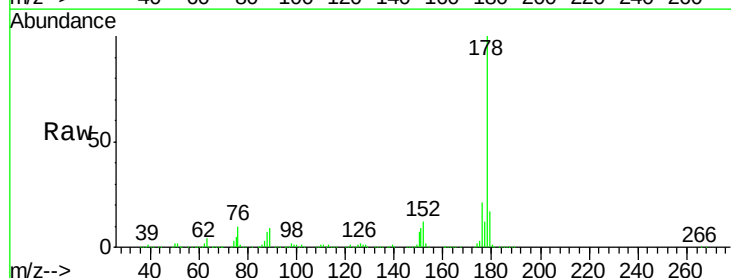
Manual Integrations
 APPROVED

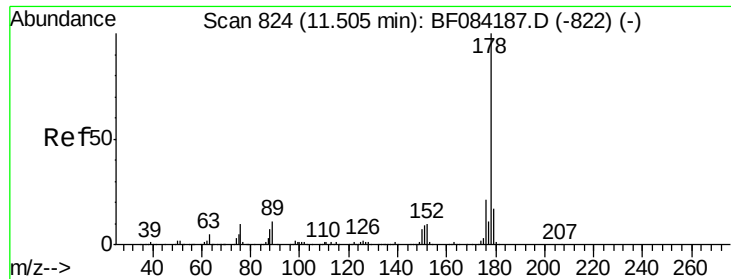
mohammad
 1/21/2016 12:19:53 PM



#70
 Phenanthrene
 Concen: 38.82 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.05 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1575571		
176	20.6	15.3	22.9	
179	16.5	12.0	18.0	





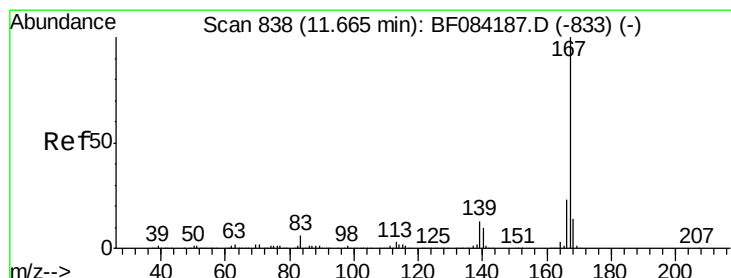
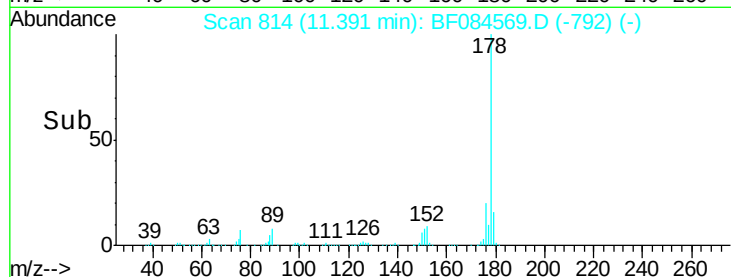
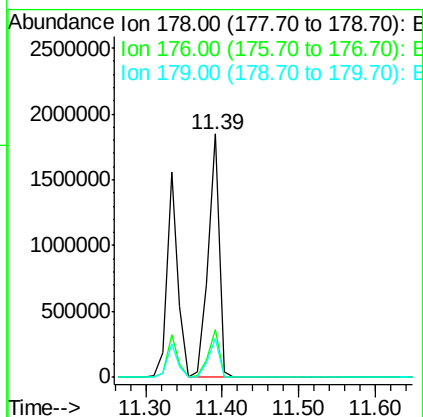
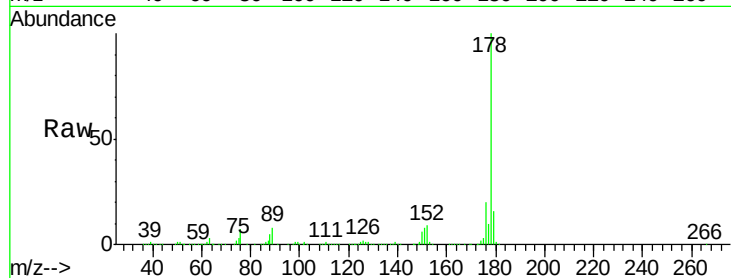
#71
 Anthracene
 Concen: 45.59 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.05 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Instrument :
 BNA_F
 ClientSampleId :
 PB87882BS

Tot Ion:178 Resp: 1813793
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.0
 179 16.1 12.5 18.7

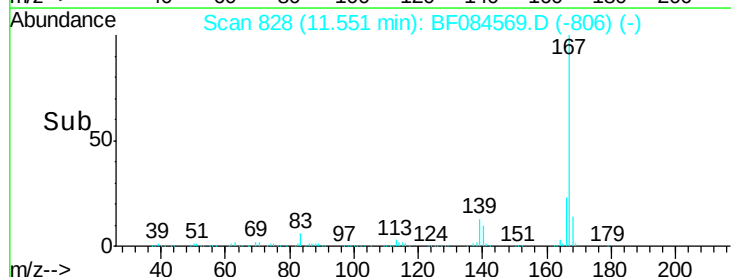
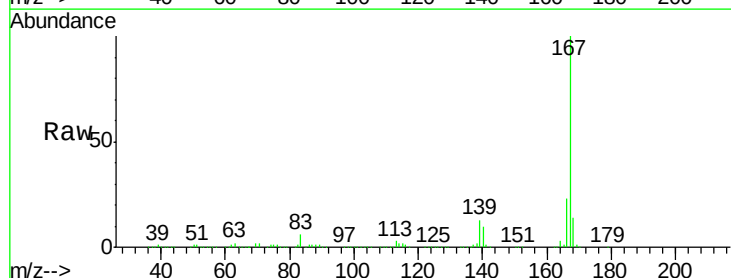
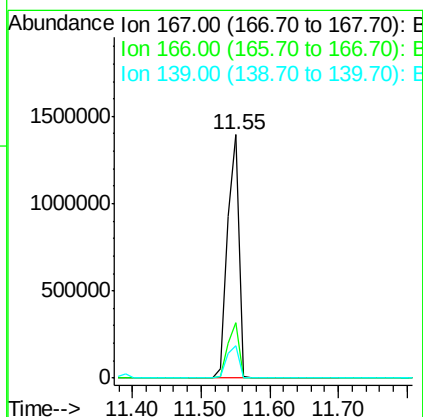
Manual Integrations
 APPROVED

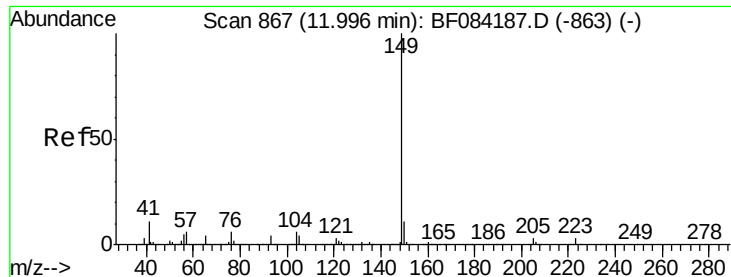
mohammad
 1/21/2016 12:19:53 PM



#72
 Carbazole
 Concen: 42.37 ng
 RT: 11.55 min Scan# 828
 Delta R.T. -0.05 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Tgt Ion:167 Resp: 1647903
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.6 26.4
 139 13.1 11.8 17.8





#73

Di-n-butylphthalate

Concen: 42.86 ng

RT: 11.88 min Scan# 857

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

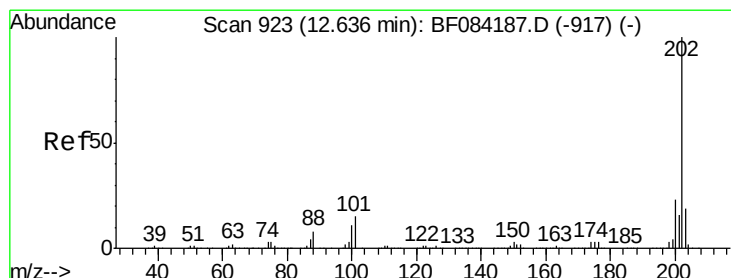
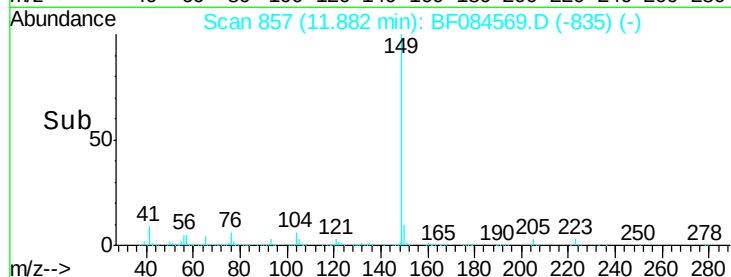
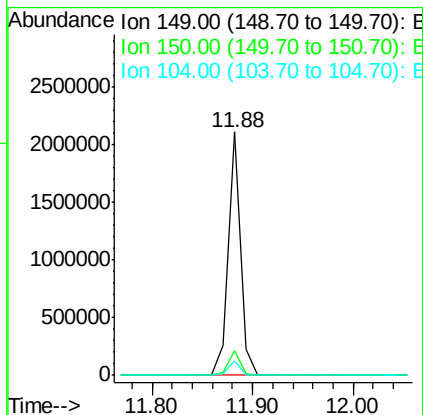
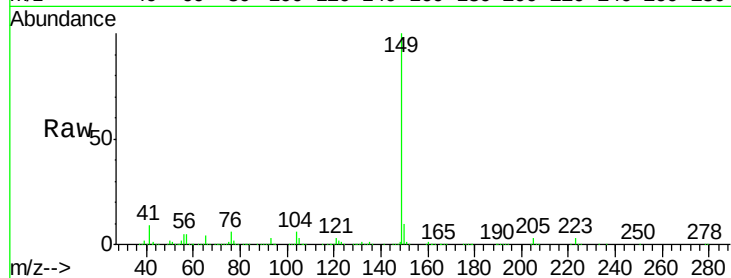
PB87882BS

Tot Ion:149 Resp: 1793581

Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.1	10.7
104	5.9	3.2	4.8#

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#74

Fluoranthene

Concen: 40.67 ng

RT: 12.52 min Scan# 913

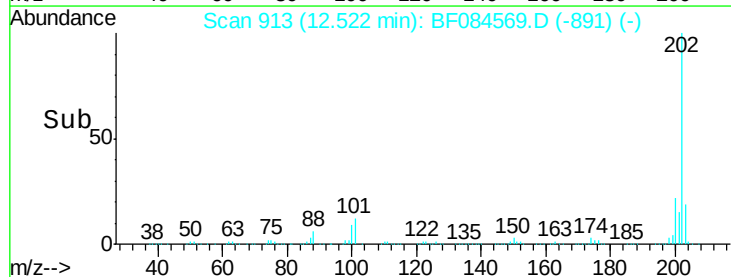
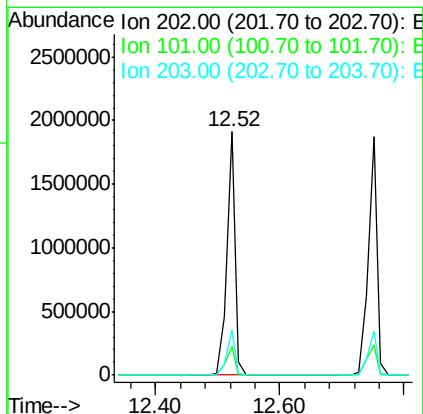
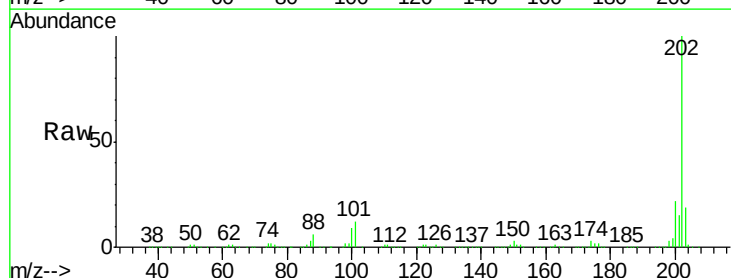
Delta R.T. -0.05 min

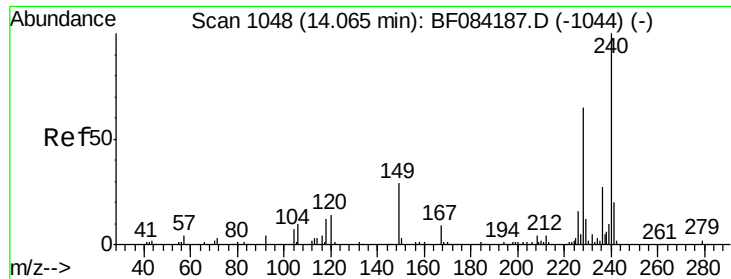
Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion:202 Resp: 1724114

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.8
203	18.7	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

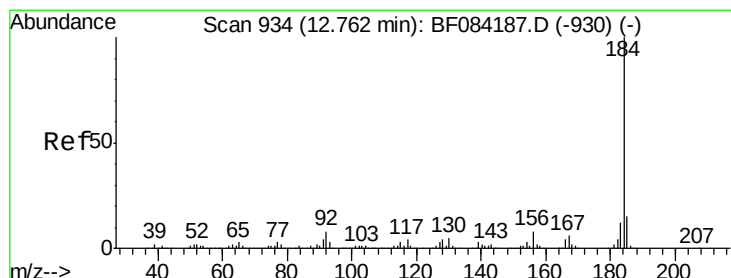
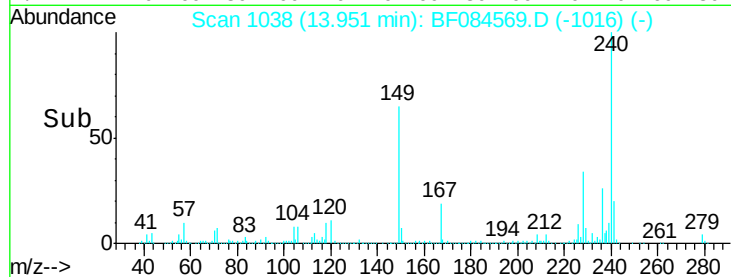
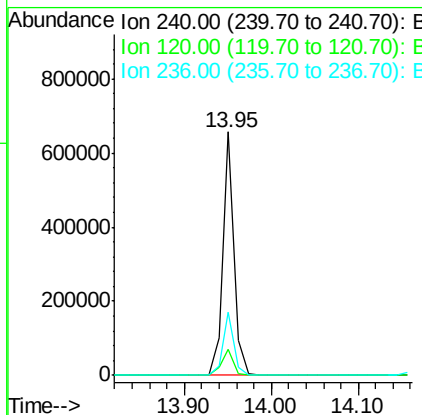
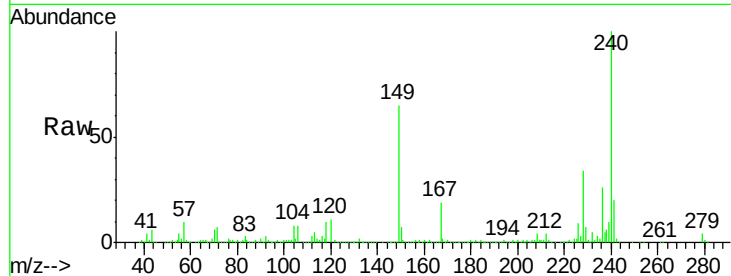
ClientSampleId :

PB87882BS

Tot Ion:	240	Resp:	594740
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	26.0	20.6	31.0

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



#76

Benzidine

Concen: 22.36 ng

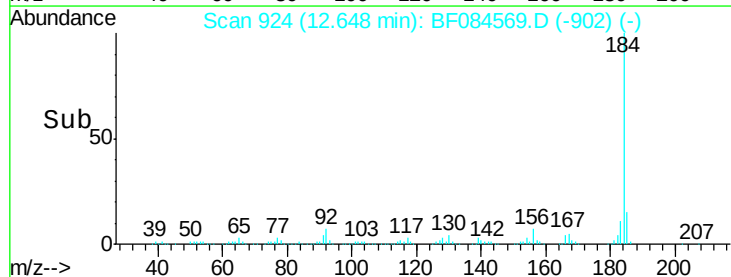
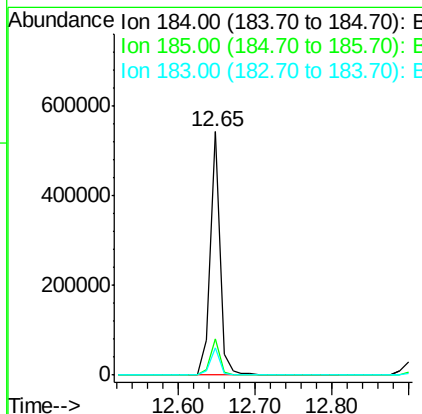
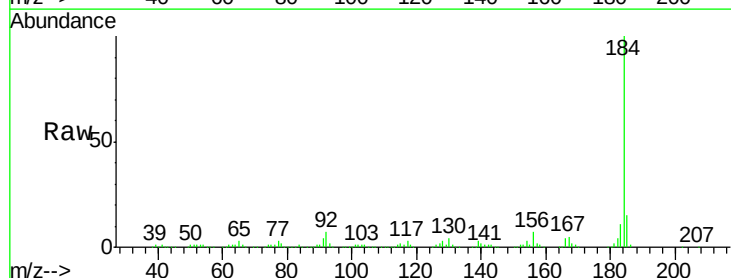
RT: 12.65 min Scan# 924

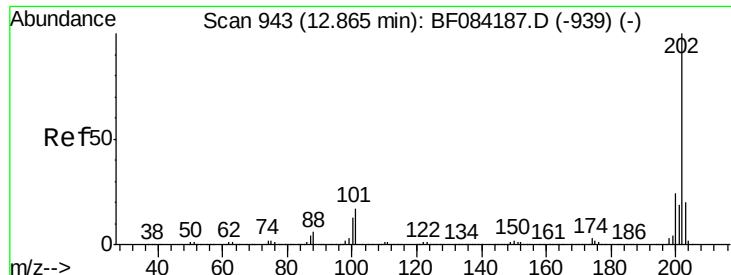
Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion:	184	Resp:	476840
Ion Ratio	Lower	Upper	
184	100		
185	14.7	12.2	18.2
183	11.2	9.8	14.8





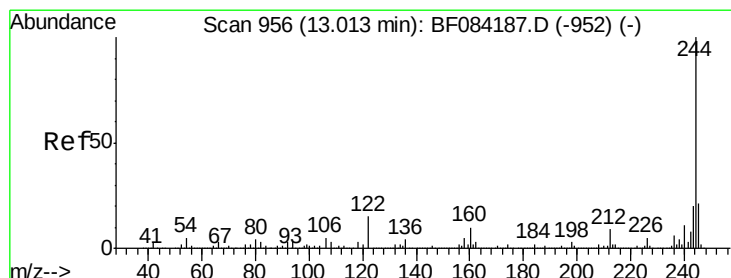
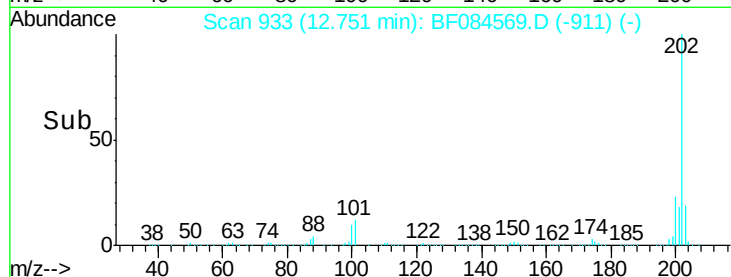
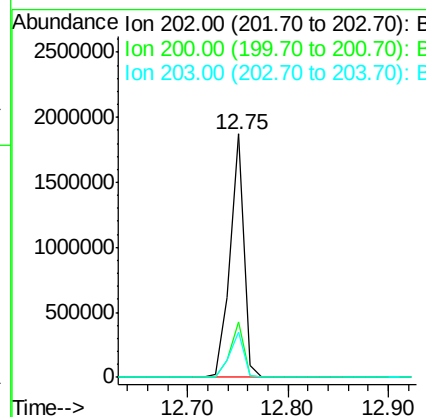
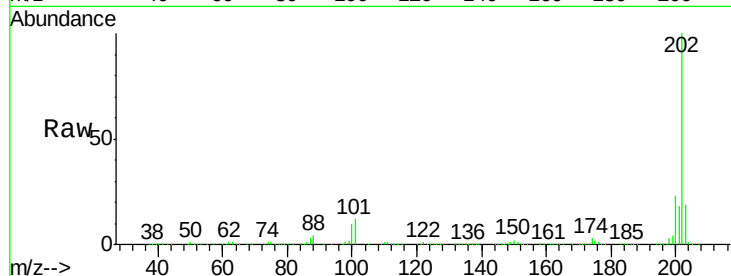
#77
Pvrene
Concen: 38.39 ng
RT: 12.75 min Scan# 933
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.2	25.8
203	18.5	14.3	21.5

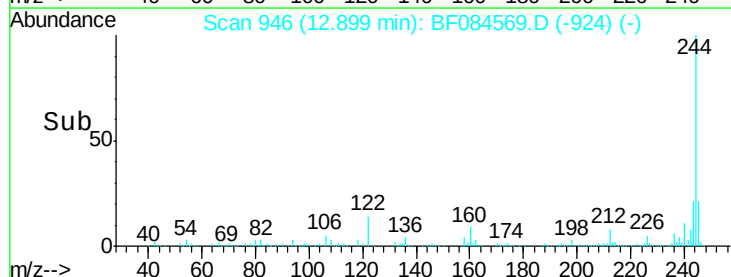
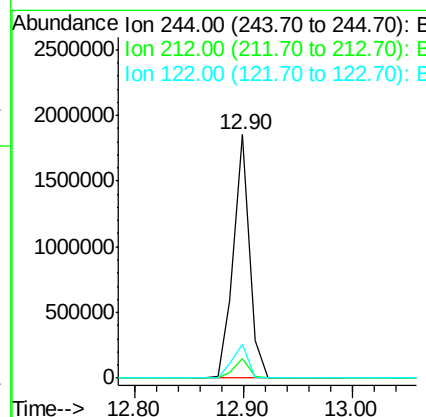
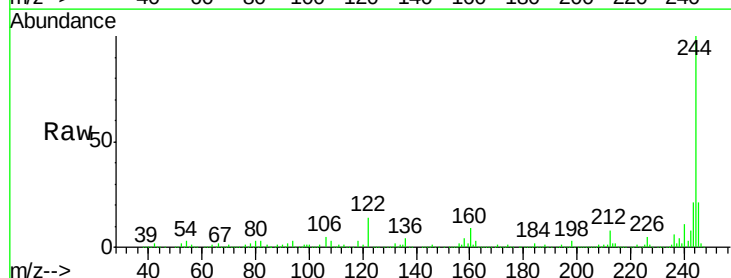
Manual Integrations
APPROVED

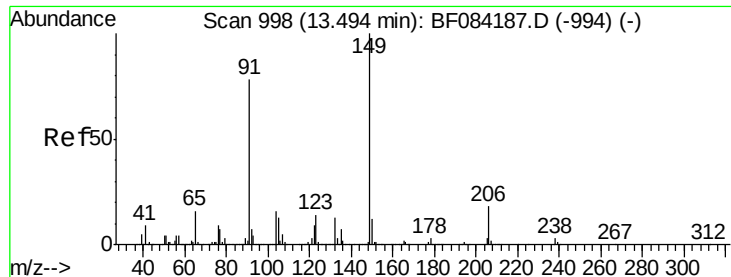
mohammad
1/21/2016 12:19:53 PM



#78
Terphenyl-d14
Concen: 70.95 ng
RT: 12.90 min Scan# 946
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.7	8.5
122	13.9	7.4	11.0





#79

Butylbenzylphthalate

Concen: 40.68 ng

RT: 13.38 min Scan# 988

Delta R.T. -0.05 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

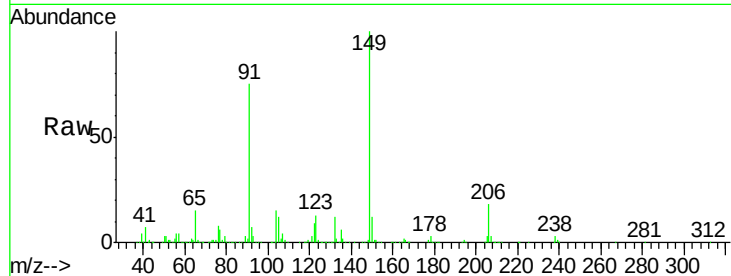
ClientSampleId :

PB87882BS

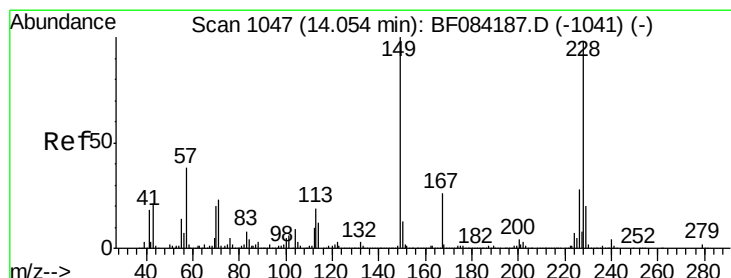
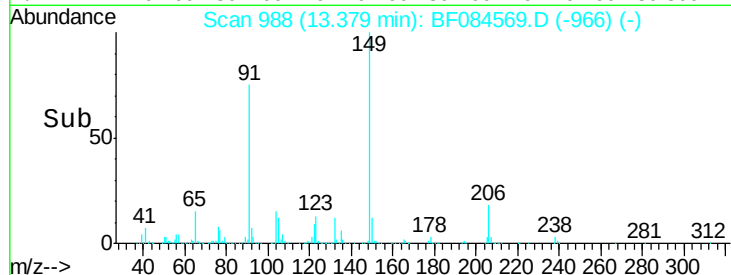
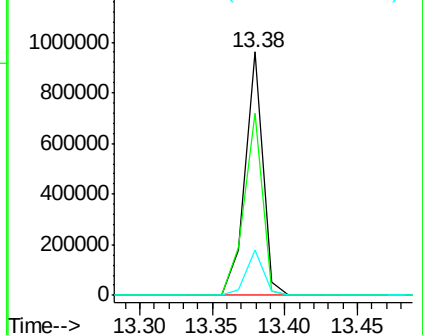
Tot Ion:	149	Resp:	821532
Ion Ratio	Lower	Upper	
149	100		
91	74.7	57.6	86.4
206	18.5	13.2	19.8

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 41.42 ng

RT: 13.94 min Scan# 1037

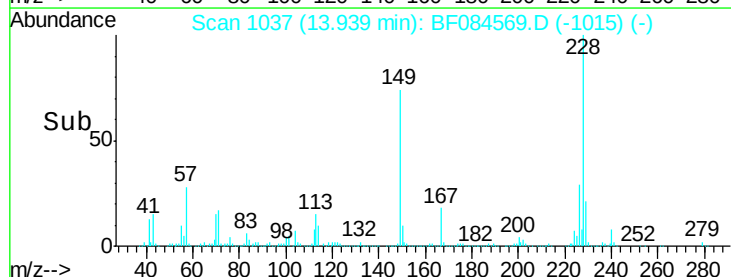
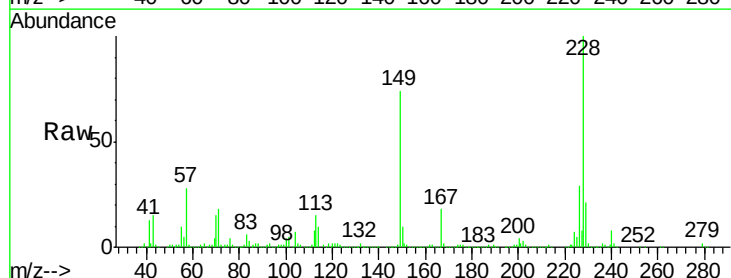
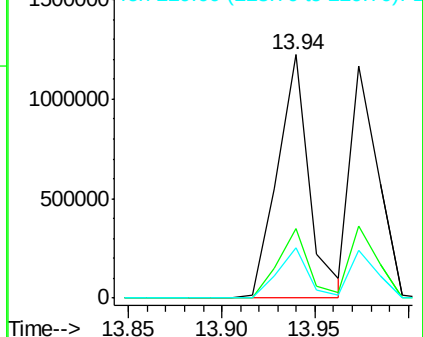
Delta R.T. -0.05 min

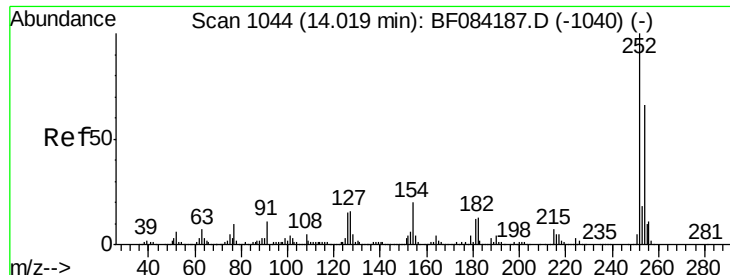
Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Tgt Ion:	228	Resp:	1446410
Ion Ratio	Lower	Upper	
228	100		
226	28.6	21.8	32.6
229	20.8	15.8	23.8

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





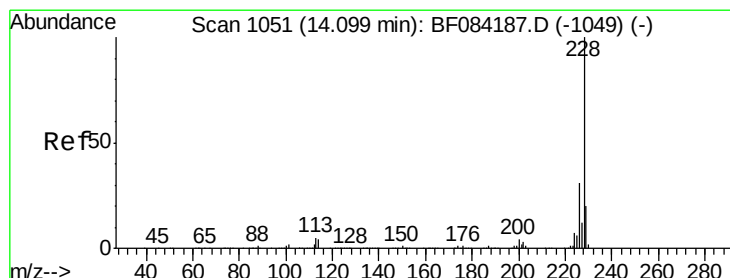
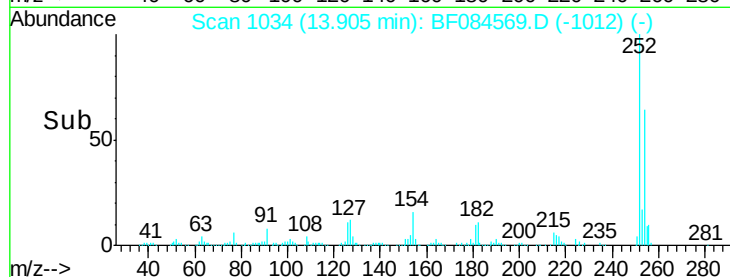
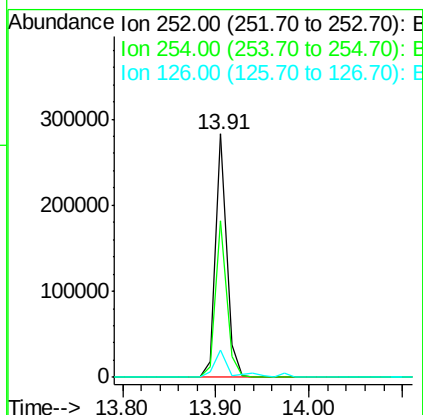
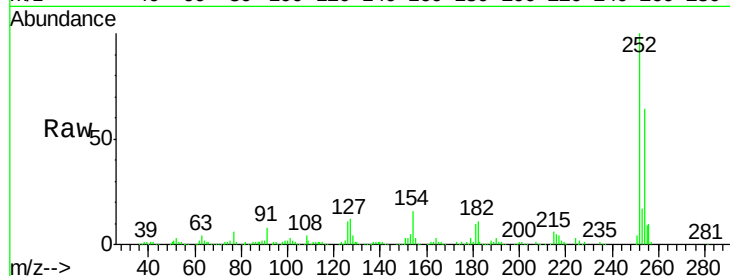
#81
3,3'-Dichlorobenzidine
Concen: 19.35 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.4	53.5	80.3
126	11.4	4.9	7.3

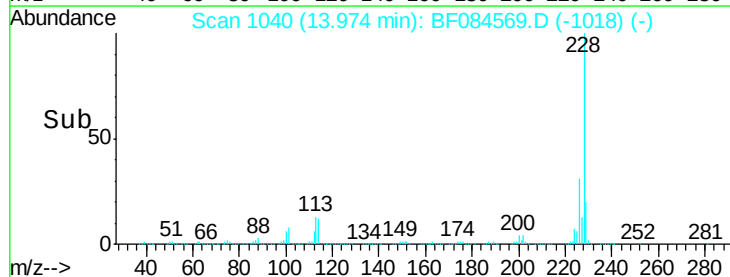
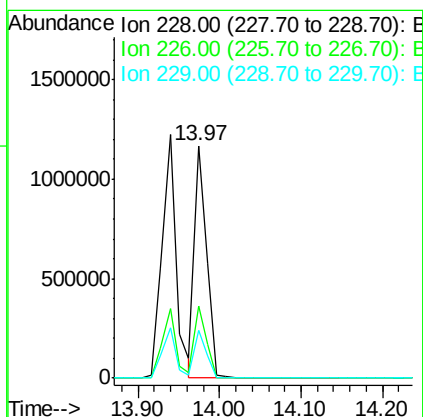
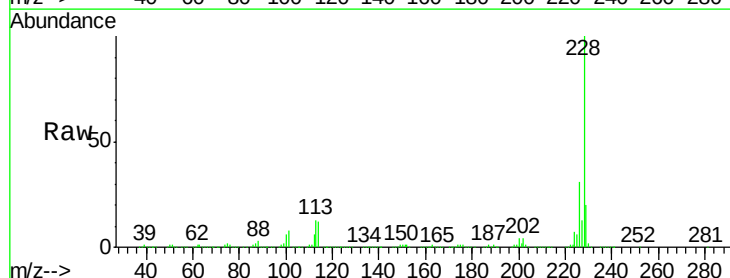
Manual Integrations
APPROVED

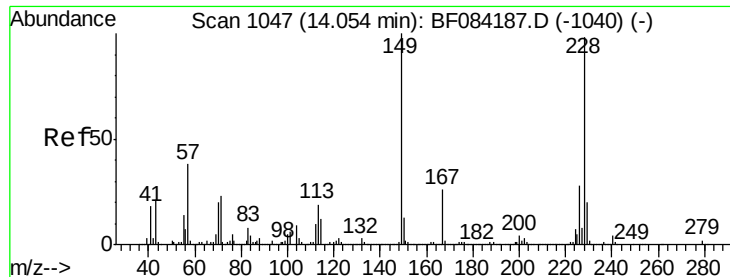
mohammad
1/21/2016 12:19:53 PM



#82
Chrysene
Concen: 36.44 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.9	24.3	36.5
229	20.3	16.1	24.1





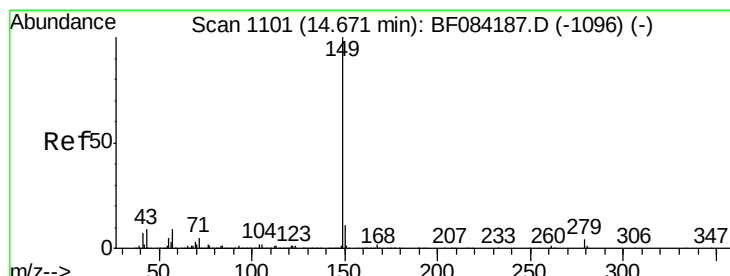
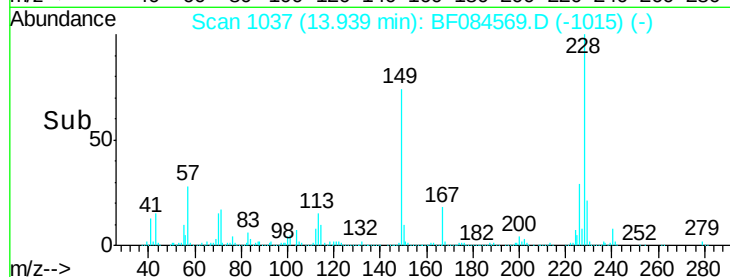
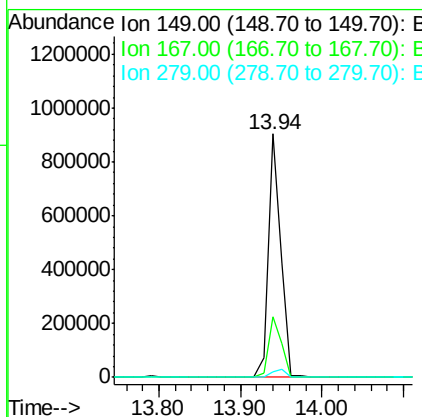
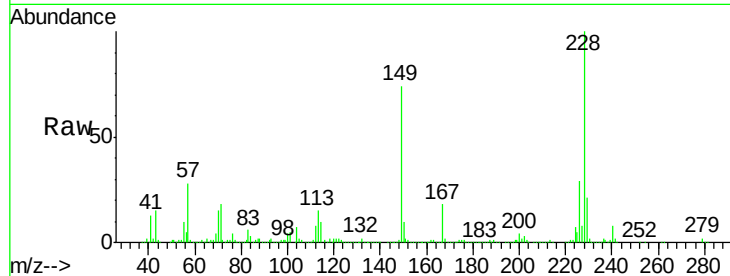
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 38.20 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.05 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Instrument :
 BNA_F
 ClientSampleId :
 PB87882BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	974780		
167	24.8	19.7	29.5	
279	2.1	1.8	2.6	

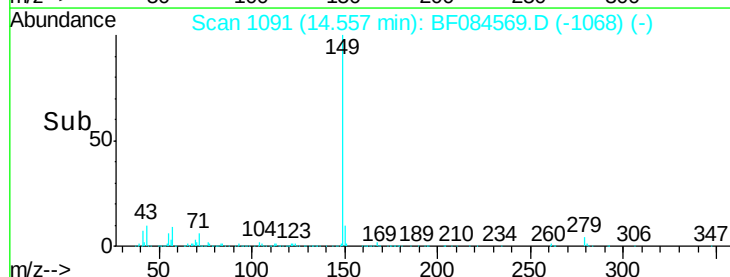
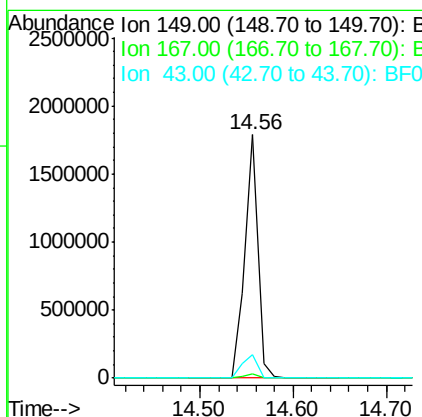
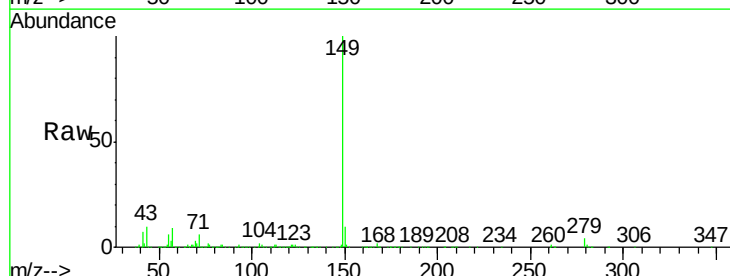
Manual Integrations
 APPROVED

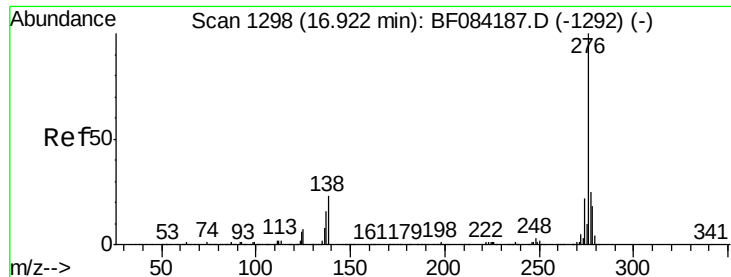
mohammad
 1/21/2016 12:19:53 PM



#84
 Di-n-octyl phthalate
 Concen: 40.51 ng
 RT: 14.56 min Scan# 1091
 Delta R.T. -0.03 min
 Lab File: BF084569.D
 Acq: 20 Jan 2016 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1744954		
167	1.7	1.2	1.8	
43	11.2	5.6	8.4	





#85

Indeno(1,2,3-cd)pyrene

Concen: 44.38 ng

RT: 16.72 min Scan# 1280

Delta R.T. -0.08 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion:276 Resp: 1180493

Ion Ratio Lower Upper

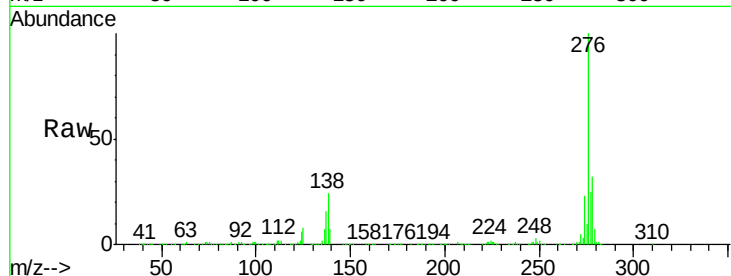
276 100

138 25.4 20.6 30.8

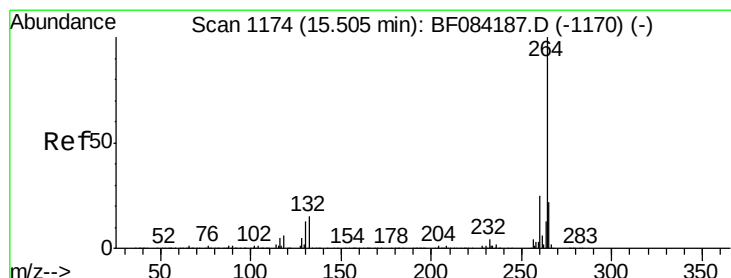
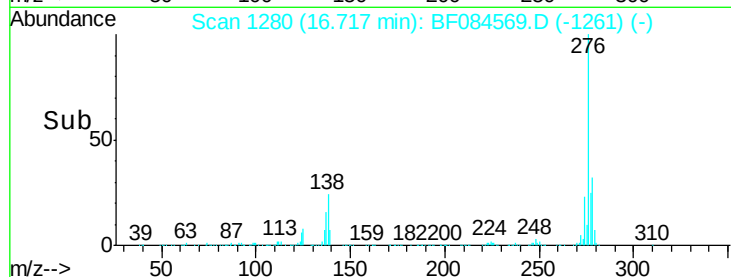
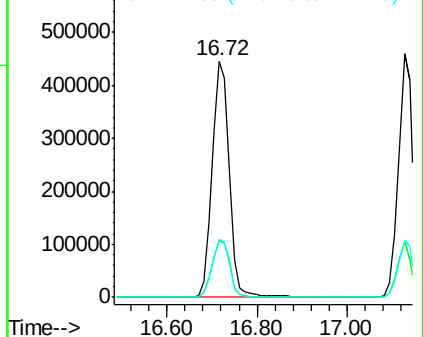
277 25.0 20.1 30.1

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.06 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

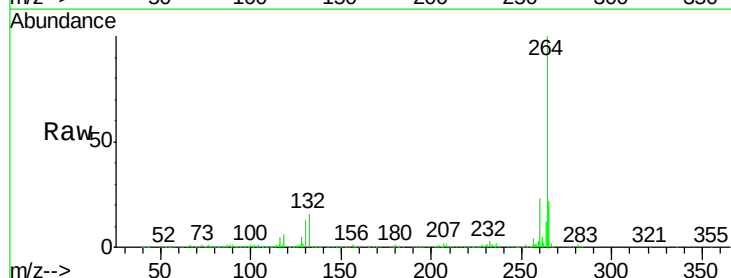
Tgt Ion:264 Resp: 470834

Ion Ratio Lower Upper

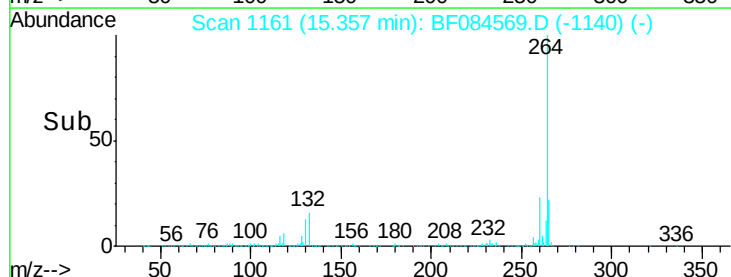
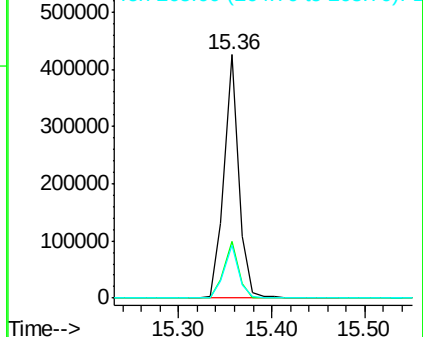
264 100

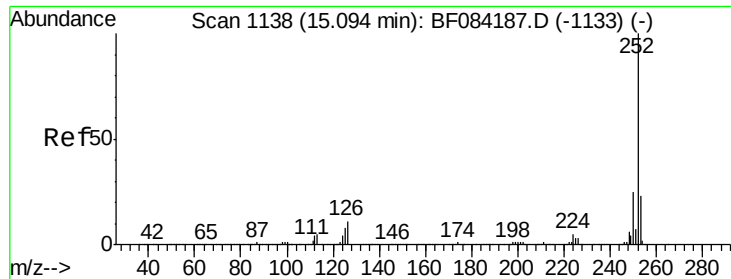
260 23.4 19.4 29.2

265 21.6 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





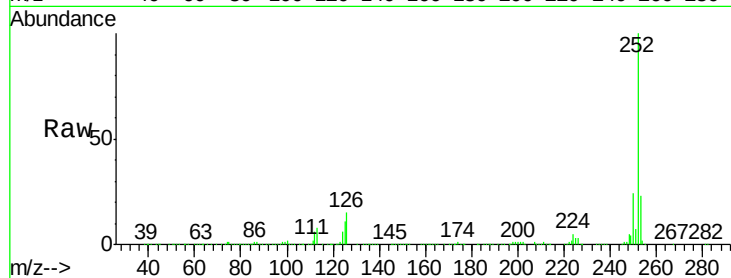
#87
Benzo(b)fluoranthene
Concen: 38.33 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.06 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	11.1	6.5	9.7

Manual Integrations
APPROVED

mohammad
1/21/2016 12:19:53 PM

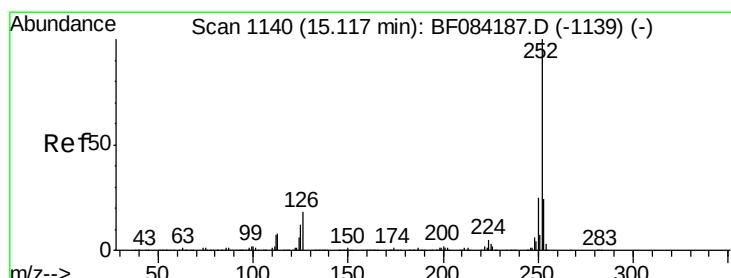
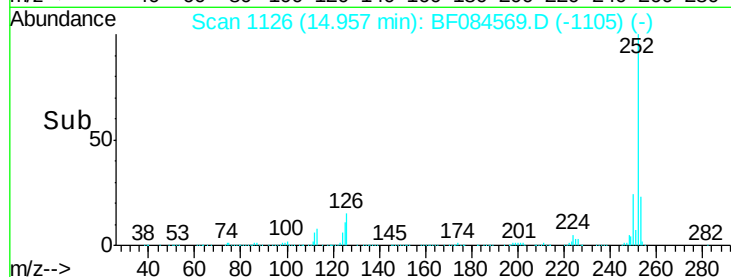
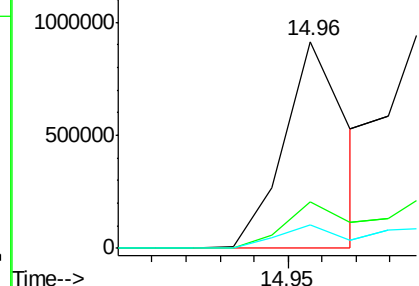


Abundance

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



#88
Benzo(k)fluoranthene
Concen: 49.05 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

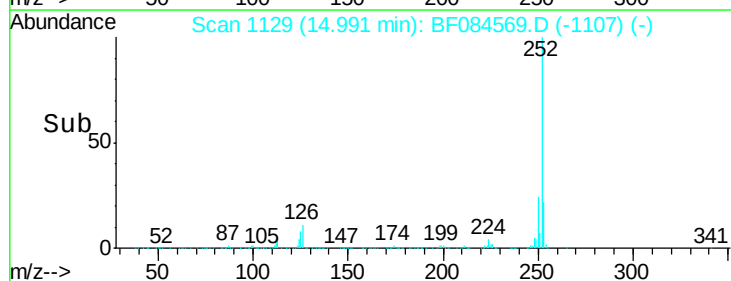
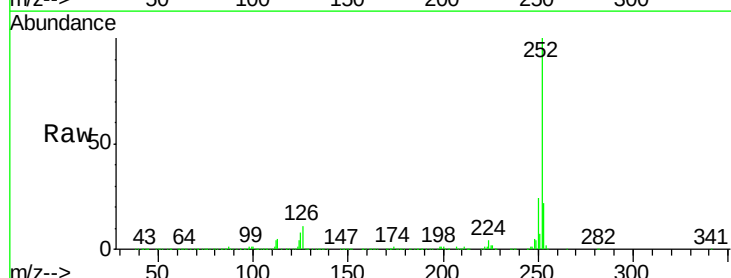
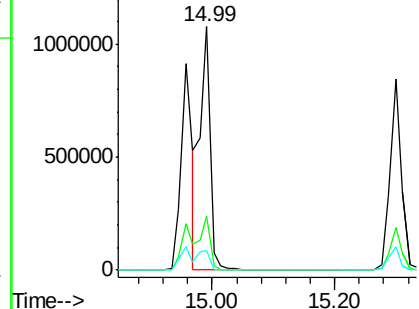
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	7.9	9.0	13.6

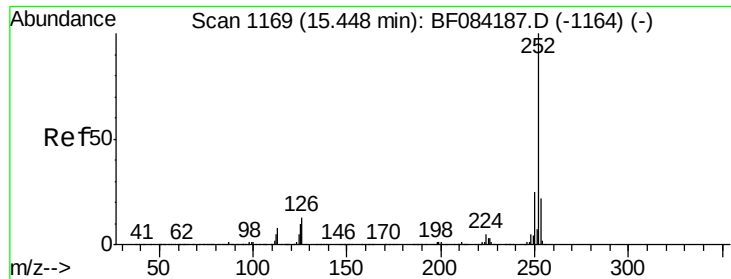
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





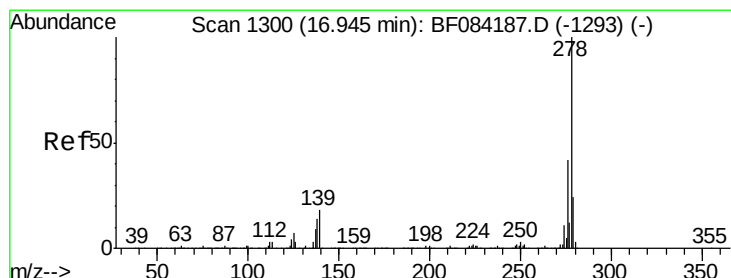
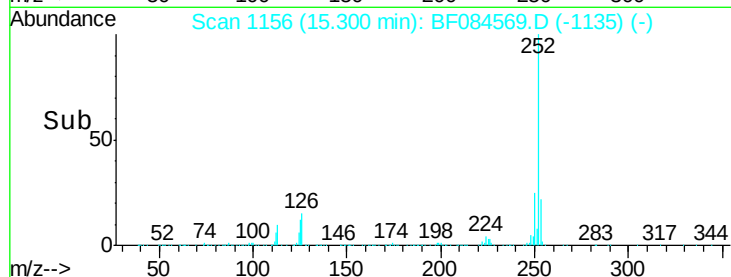
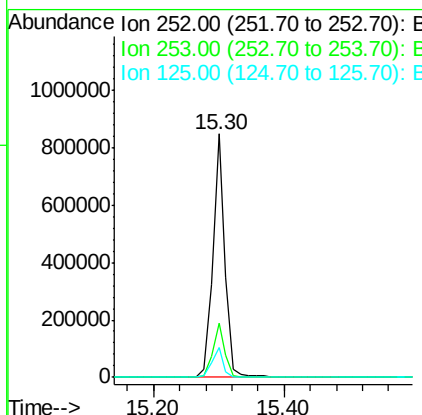
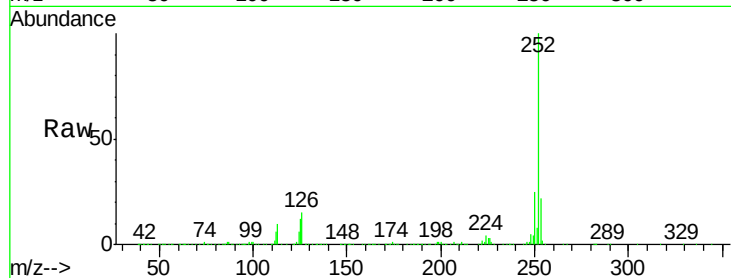
#89
Benzo(a)pyrene
Concen: 42.22 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Instrument :
BNA_F
ClientSampleId :
PB87882BS

Tot Ion: 252 Resp: 1102898
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 12.1 7.0 10.4#

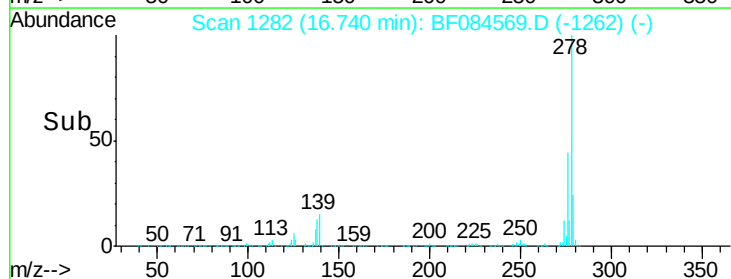
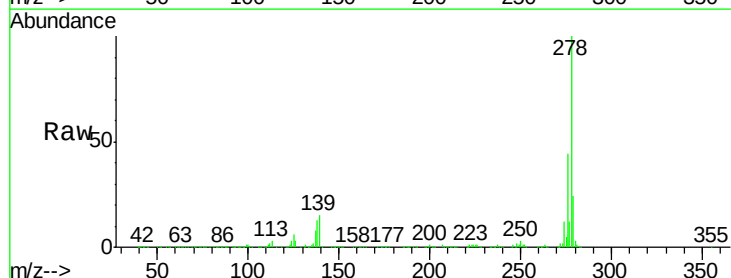
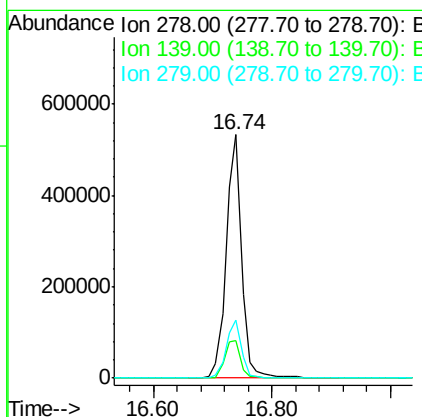
Manual Integrations
APPROVED

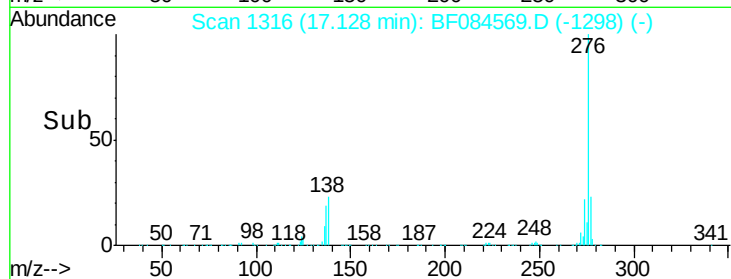
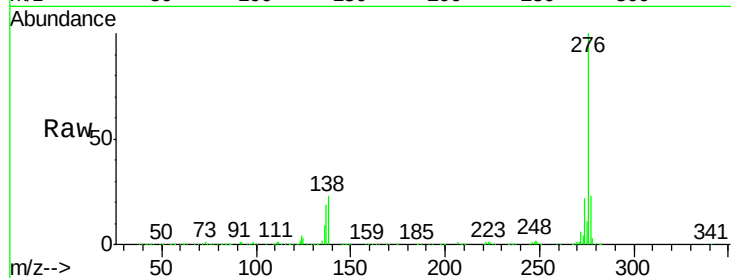
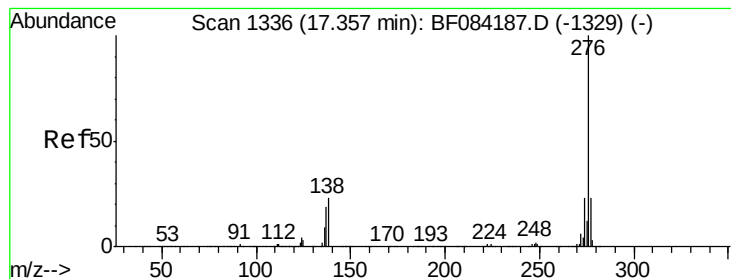
mohammad
1/21/2016 12:19:53 PM



#90
Dibenzo(a,h)anthracene
Concen: 42.70 ng
RT: 16.74 min Scan# 1282
Delta R.T. -0.07 min
Lab File: BF084569.D
Acq: 20 Jan 2016 17:22

Tgt Ion: 278 Resp: 959863
Ion Ratio Lower Upper
278 100
139 15.3 15.0 22.4
279 23.7 18.9 28.3





#91

Benzo(a,h,i)perylene

Concen: 43.34 ng

RT: 17.13 min Scan# 1316

Delta R.T. -0.09 min

Lab File: BF084569.D

Acq: 20 Jan 2016 17:22

Instrument :

BNA_F

ClientSampleId :

PB87882BS

Tot Ion: 276 Resp: 1008932

Ion Ratio Lower Upper

276 100

277 23.2 18.8 28.2

138 22.9 17.8 26.6

Manual Integrations

APPROVED

mohammad

1/21/2016 12:19:53 PM

