

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
 Data File : BF084814.D
 Acq On : 4 Feb 2016 5:04
 Operator : SJ/IZ
 Sample : H1312-08MS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

Manual Integrations
 APPROVED

mohammad
 2/4/2016 2:05:22 PM

Quant Time: Feb 04 06:22:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	172273	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	712280	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	342293	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	609140	20.00	ng	0.00
75) Chrysene-d12	13.84	240	390418	20.00	ng	0.00
86) Perylene-d12	15.21	264	341298	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1618339	146.32	ng	0.01
7) Phenol-d6	6.35	99	1909101	139.23	ng	0.01
23) Nitrobenzene-d5	7.26	82	1202724	95.12	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	482347	135.10	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1834939	93.36	ng	0.00
78) Terphenyl-d14	12.80	244	1650780	95.81	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.26	88	199180	41.11	ng	# 76
3) Pyridine	2.91	79	635955	50.38	ng	# 69
4) n-Nitrosodimethylamine	2.88	42	332711	50.96	ng	81
6) Aniline	6.35	93	639484	38.11	ng	# 72
8) 2-Chlorophenol	6.48	128	592599	47.33	ng	92
9) Benzaldehyde	6.22	77	231545	28.60	ng	94
10) Phenol	6.36	94	861163	56.06	ng	97
11) bis(2-Chloroethyl)ether	6.43	93	578168m	48.27	ng	
12) 1,3-Dichlorobenzene	6.62	146	595686m	45.04	ng	
13) 1,4-Dichlorobenzene	6.70	146	608862	46.05	ng	96
14) 1,2-Dichlorobenzene	6.86	146	556732	45.21	ng	94
15) Benzyl Alcohol	6.84	79	484699	51.19	ng	91
16) 2,2'-oxybis(1-Chloropropan	6.98	45	871302	43.24	ng	91
17) 2-Methylphenol	6.97	107	494271	49.92	ng	# 91
18) Hexachloroethane	7.20	117	232953	45.75	ng	95
19) n-Nitroso-di-n-propylamine	7.12	70	418932	48.74	ng	# 74
20) 3+4-Methylphenols	7.13	107	633847	51.58	ng	90
22) Acetophenone	7.10	105	887354	47.27	ng	99
24) Nitrobenzene	7.28	77	603935	44.60	ng	94
25) Isophorone	7.53	82	1173569	47.73	ng	97
26) 2-Nitrophenol	7.60	139	322071	48.23	ng	# 85
27) 2,4-Dimethylphenol	7.65	122	605683	52.14	ng	90
28) bis(2-Chloroethoxy)methane	7.74	93	760294	52.12	ng	98
29) 2,4-Dichlorophenol	7.85	162	523142	52.64	ng	94
30) 1,2,4-Trichlorobenzene	7.92	180	512672	45.67	ng	97
31) Naphthalene	8.00	128	1578577	44.18	ng	99
32) Benzoic acid	7.73	122	23461	3.16	ng	95
33) 4-Chloroaniline	8.05	127	393340	26.62	ng	97
34) Hexachlorobutadiene	8.12	225	314084	48.52	ng	100
35) Caprolactam	8.44	113	156993m	51.25	ng	
36) 4-Chloro-3-methylphenol	8.56	107	576096	50.81	ng	99
37) 2-Methylnaphthalene	8.69	142	1193030	53.35	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.85	216	456079	41.95	ng	99
40) Hexachlorocyclopentadiene	8.84	237	395209	81.66	ng	98

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
 Data File : BF084814.D
 Acq On : 4 Feb 2016 5:04
 Operator : SJ/IZ
 Sample : H1312-08MS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

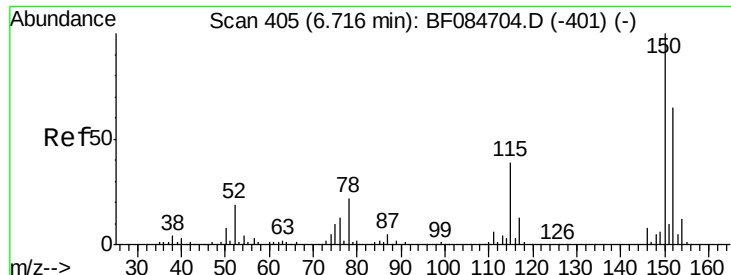
Manual Integrations
 APPROVED

mohammad
 2/4/2016 2:05:22 PM

Quant Time: Feb 04 06:22:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	365142	52.14	nq	95
43) 2,4,5-Trichlorophenol	9.02	196	335659	47.17	nq	97
45) 1,1'-Biphenyl	9.16	154	1391078	45.50	nq	96
46) 2-Chloronaphthalene	9.17	162	1018295	45.23	nq	96
47) 2-Nitroaniline	9.29	65	350597	49.18	nq	# 58
48) Acenaphthylene	9.60	152	1602745	46.91	nq	99
49) Dimethylphthalate	9.47	163	1440026	55.24	nq	# 90
50) 2,6-Dinitrotoluene	9.53	165	247663	43.49	nq	# 58
51) Acenaphthene	9.77	154	1010160	45.44	nq	98
52) 3-Nitroaniline	9.70	138	197160	30.81	nq	# 62
53) 2,4-Dinitrophenol	9.80	184	73463	31.72	nq	91
54) Dibenzofuran	9.94	168	1428497	52.58	nq	99
55) 4-Nitrophenol	9.88	139	430693	91.57	nq	89
56) 2,4-Dinitrotoluene	9.93	165	300388	41.35	nq	# 72
57) Fluorene	10.28	166	1050093	46.29	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.05	232	278719	51.45	nq	88
59) Diethylphthalate	10.17	149	1187769	46.66	nq	98
60) 4-Chlorophenyl-phenylether	10.27	204	447944	47.38	nq	93
61) 4-Nitroaniline	10.32	138	280085	44.91	nq	# 75
62) Azobenzene	10.43	77	1237641	50.56	nq	91
64) 4,6-Dinitro-2-methylphenol	10.34	198	148743	39.56	nq	96
65) n-Nitrosodiphenylamine	10.40	169	959486	49.61	nq	98
66) 4-Bromophenyl-phenylether	10.76	248	342158	50.86	nq	94
67) Hexachlorobenzene	10.82	284	315888	43.09	nq	# 84
68) Atrazine	10.93	200	330938	54.18	nq	94
69) Pentachlorophenol	11.02	266	355538	103.20	nq	98
70) Phenanthrene	11.23	178	1417277	41.95	nq	97
71) Anthracene	11.29	178	1686450	49.54	nq	98
72) Carbazole	11.45	167	1509033	50.83	nq	98
73) Di-n-butylphthalate	11.78	149	1563943	41.38	nq	# 96
74) Fluoranthene	12.42	202	1613783	47.19	nq	92
76) Benzidine	12.54	184	761052	62.67	nq	98
77) Pyrene	12.64	202	1472221	49.25	nq	98
79) Butylbenzylphthalate	13.28	149	711812	52.49	nq	# 82
80) Benzo(a)anthracene	13.82	228	1119811	46.21	nq	99
81) 3,3'-Dichlorobenzidine	13.79	252	252294	29.41	nq	# 90
82) Chrysene	13.86	228	983345	41.85	nq	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	890236	52.76	nq	# 96
84) Di-n-octyl phthalate	14.44	149	1339165	48.10	nq	# 89
85) Indeno(1,2,3-cd)pyrene	16.50	276	1013952	54.82	nq	99
87) Benzo(b)fluoranthene	14.83	252	928315m	40.48	nq	
88) Benzo(k)fluoranthene	14.85	252	929411m	49.02	nq	
89) Benzo(a)pyrene	15.15	252	905794	46.36	nq	# 96
90) Dibenzo(a,h)anthracene	16.51	278	843666	51.29	nq	99
91) Benzo(g,h,i)perylene	16.89	276	892999	53.90	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

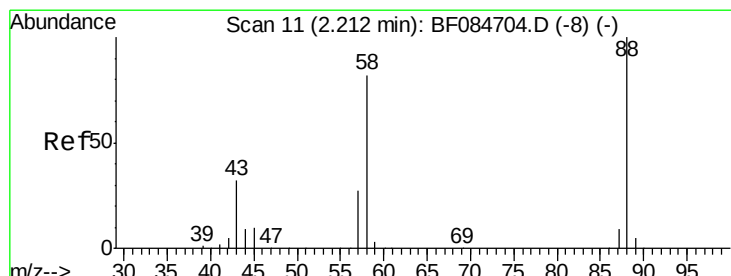
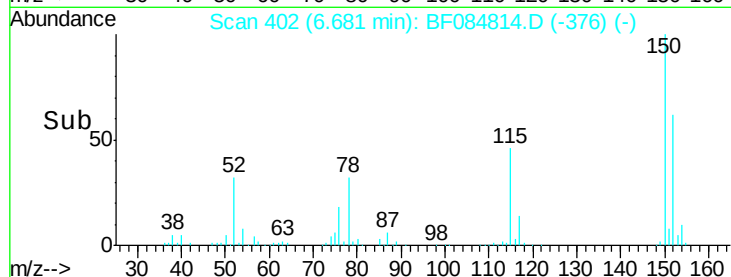
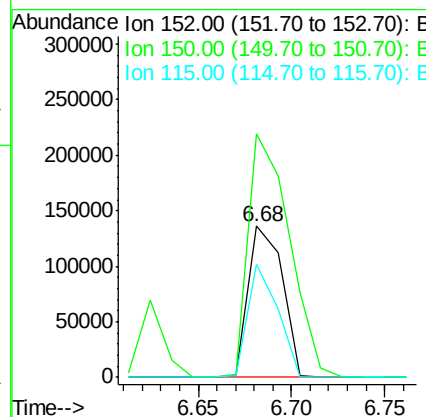
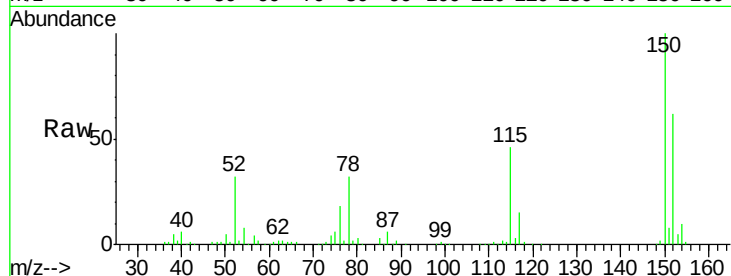
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:	152	Resp:	172273
Ion Ratio	Lower	Upper	
152	100		
150	160.9	123.0	184.4
115	74.6	51.4	77.2

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#2

1,4-Dioxane

Concen: 41.11 ng

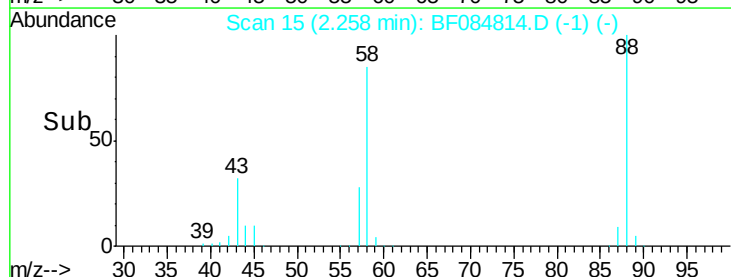
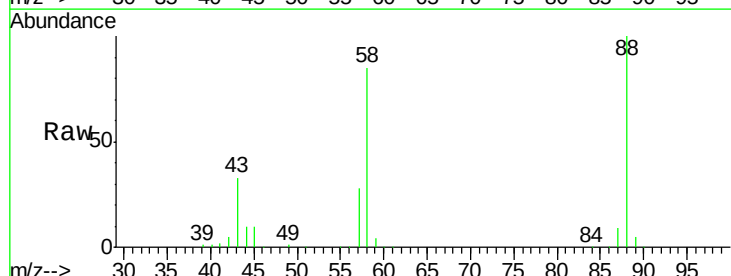
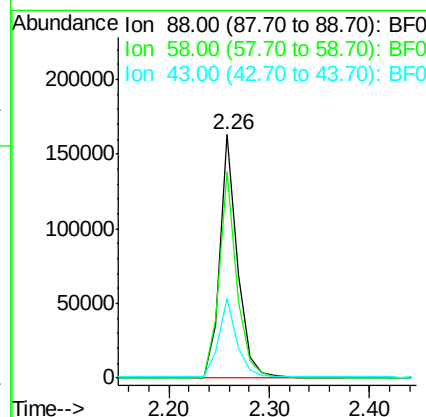
RT: 2.26 min Scan# 15

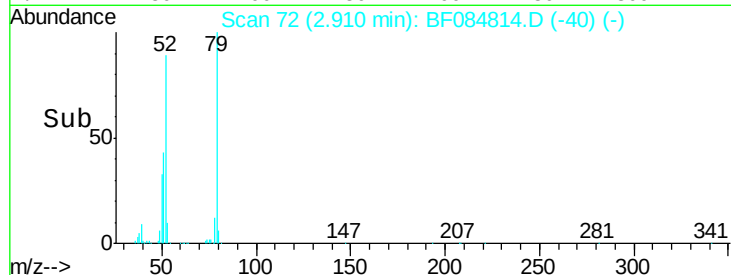
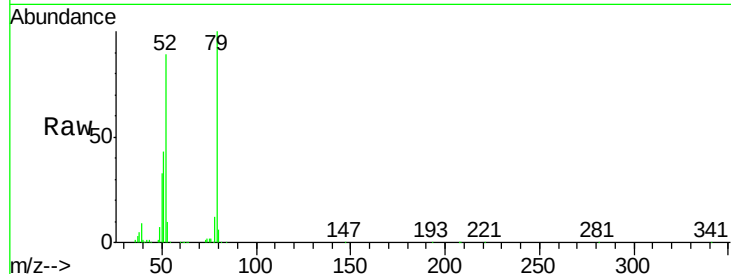
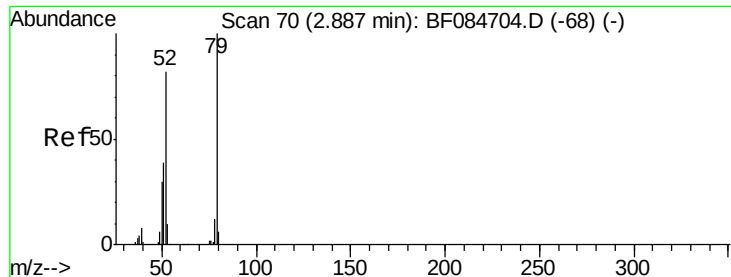
Delta R.T. 0.08 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	88	Resp:	199180
Ion Ratio	Lower	Upper	
88	100		
58	85.0	51.2	76.8#
43	33.4	19.5	29.3#





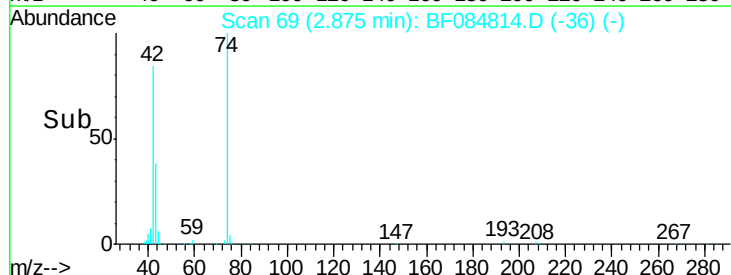
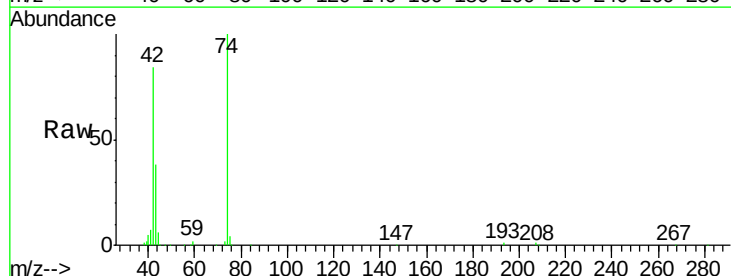
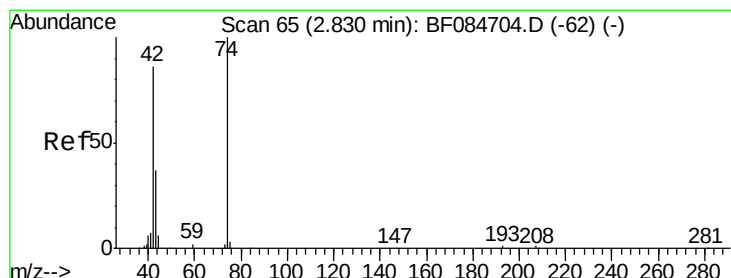
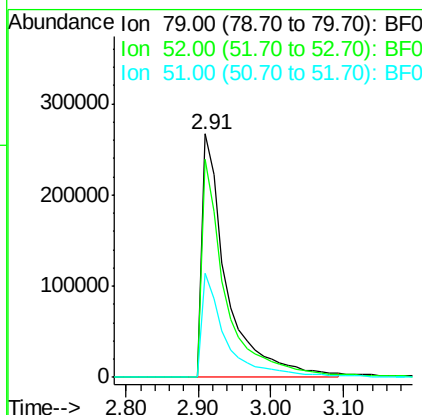
#3
 Pvridine
 Concen: 50.38 ng
 RT: 2.91 min Scan# 72
 Delta R.T. 0.07 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	89.3	49.0	73.4#		
51	42.7	25.2	37.8#		

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

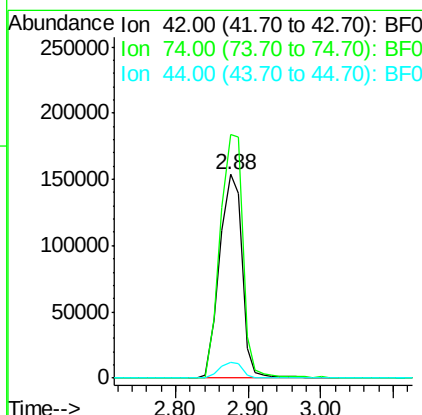
Manual Integrations
 APPROVED

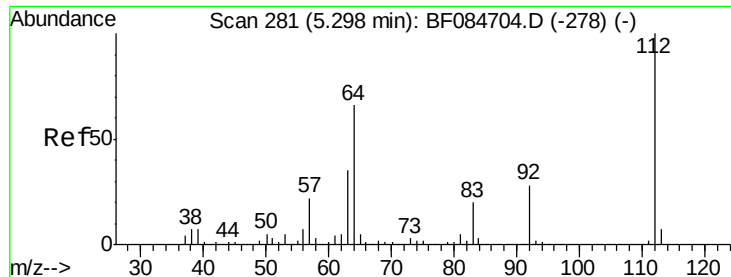
mohammad
 2/4/2016 2:05:22 PM



#4
 n-Nitrosodimethylamine
 Concen: 50.96 ng
 RT: 2.88 min Scan# 69
 Delta R.T. 0.08 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	119.5	115.7	173.5		
44	7.6	5.1	7.7		





#5

2-Fluorophenol

Concen: 146.32 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

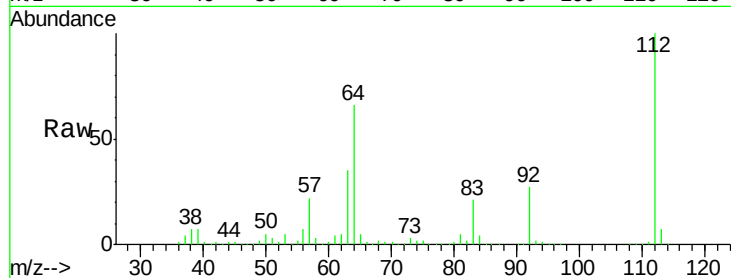
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:	112	Resp:	1618339
Ion Ratio	Lower	Upper	
112	100		
64	65.6	36.6	55.0#
63	35.1	19.4	29.0#

Manual Integrations
APPROVED

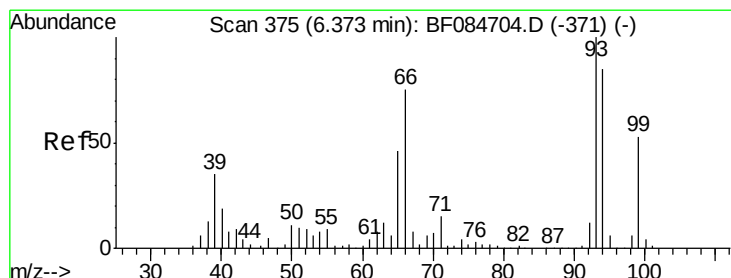
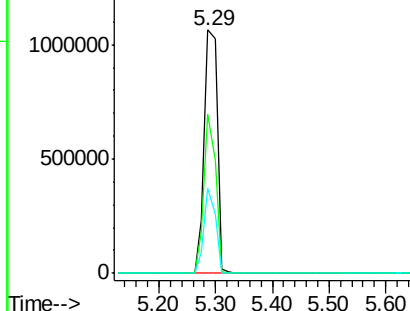
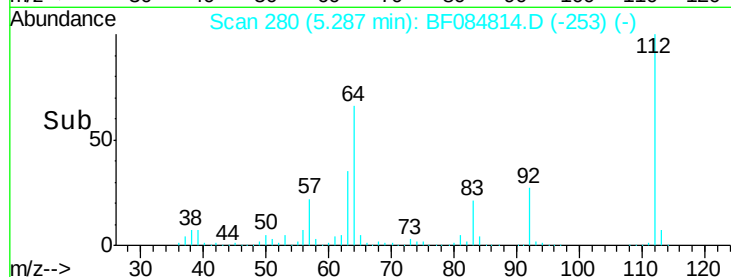
mohammad
2/4/2016 2:05:22 PM



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: 38.11 ng

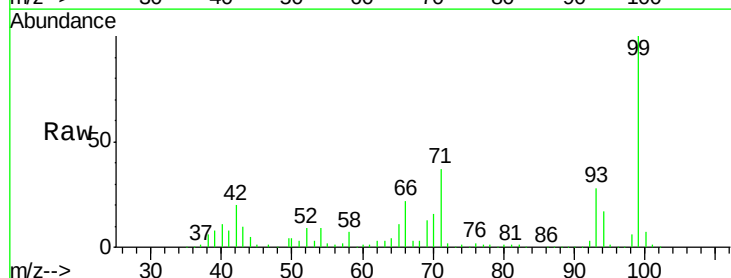
RT: 6.35 min Scan# 373

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

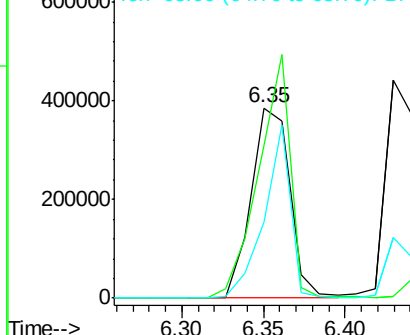
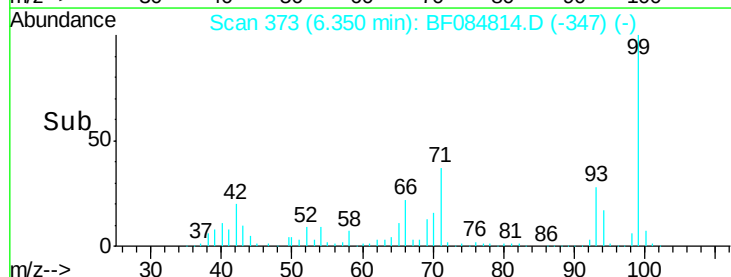
Tgt Ion:	93	Resp:	639484
Ion Ratio	Lower	Upper	
93	100		
66	80.2	44.9	67.3#
65	39.9	23.7	35.5#

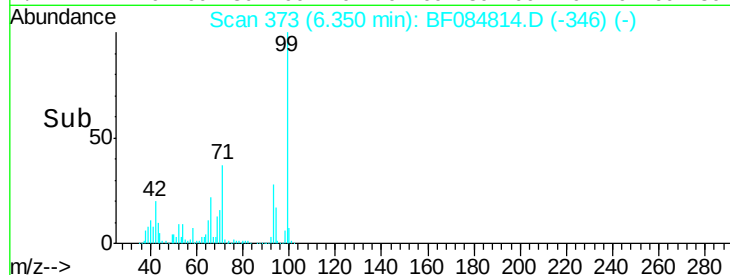
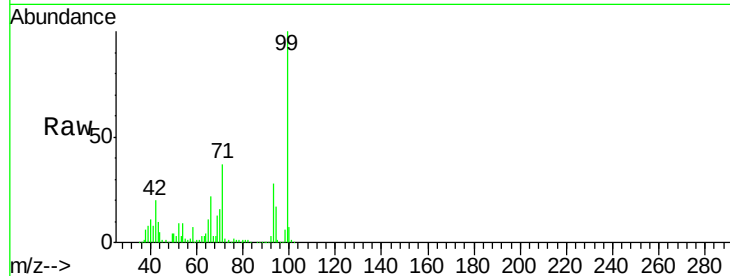
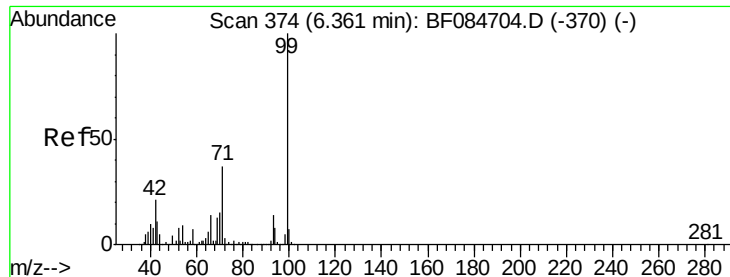


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 139.23 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tot Ion:	99	Resp:	1909101
Ion	Ratio	Lower	Upper
99	100		
42	19.9	12.8	19.2#
71	36.9	30.9	46.3

Instrument :

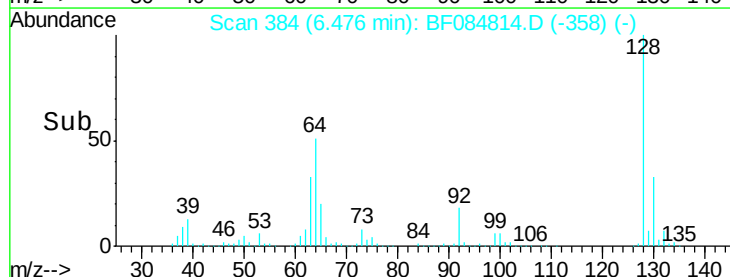
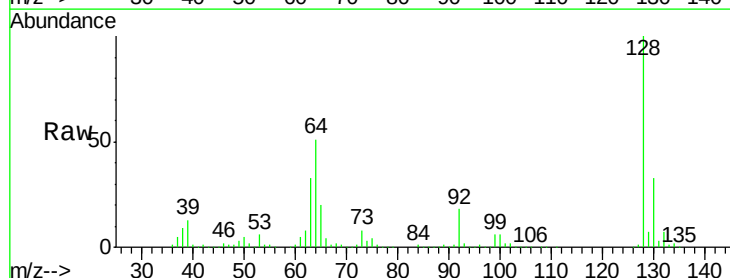
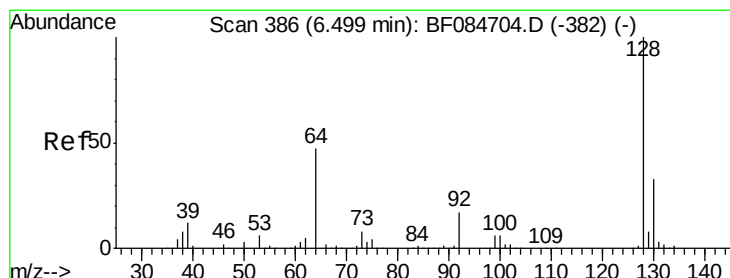
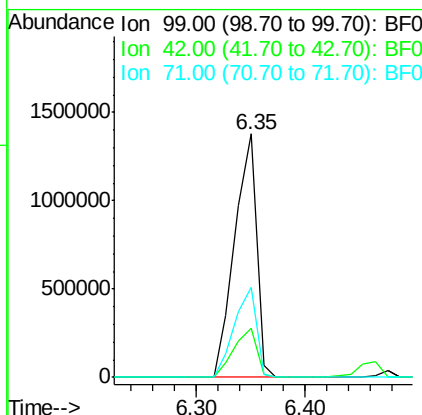
BNA_F

ClientSampleId :

SUP-B005(34-36)MS

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#8

2-Chlorophenol

Concen: 47.33 ng

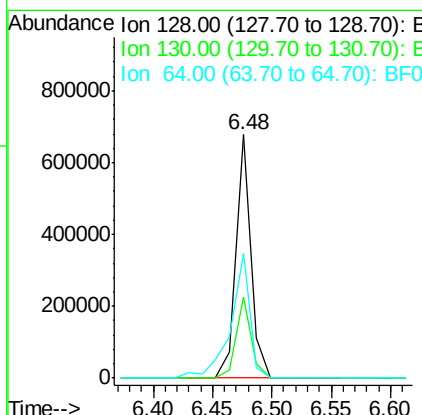
RT: 6.48 min Scan# 384

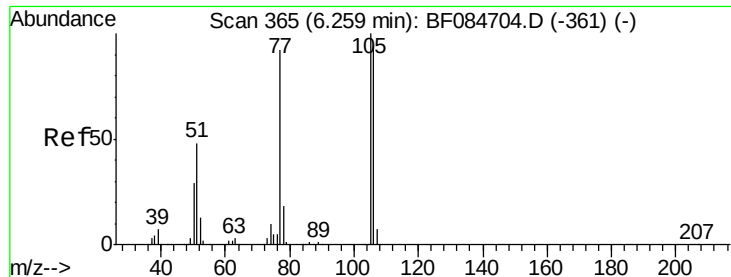
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	128	Resp:	592599
Ion	Ratio	Lower	Upper
128	100		
130	33.2	11.6	51.6
64	51.3	23.8	63.8





#9

Benzaldehyde

Concen: 28.60 ng

RT: 6.22 min Scan# 362

Delta R.T. -0.01 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

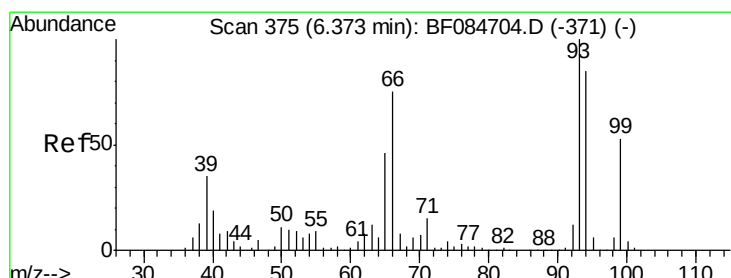
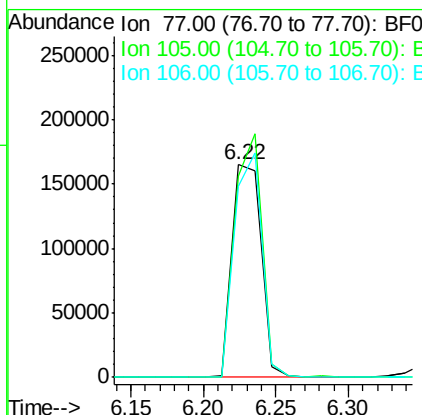
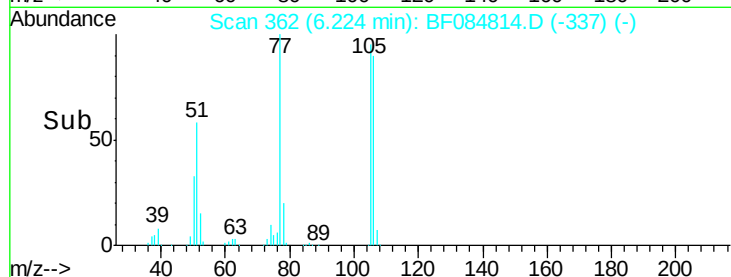
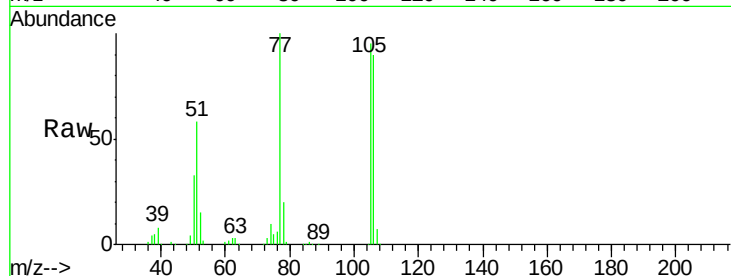
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:	77	Resp:	231545
Ion Ratio	Lower	Upper	
77	100		
105	94.8	83.0	123.0
106	90.0	74.6	114.6

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#10

Phenol

Concen: 56.06 ng

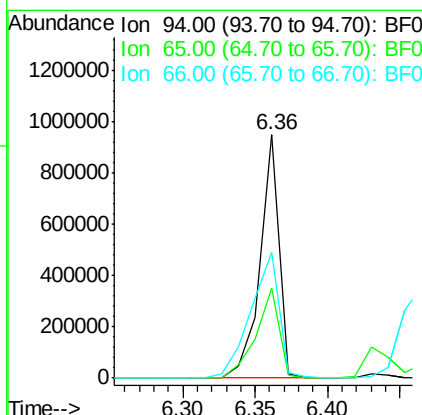
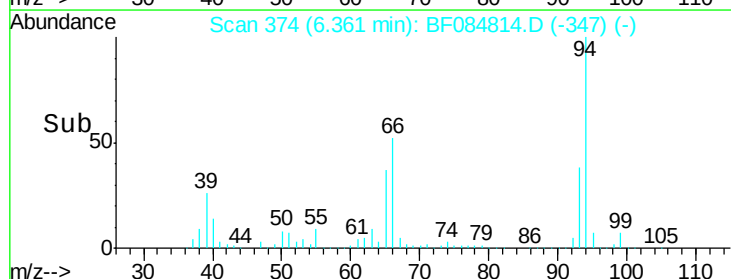
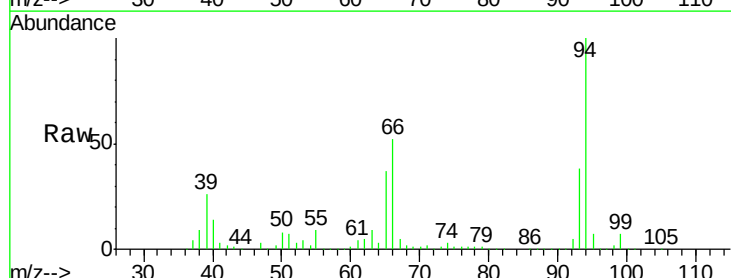
RT: 6.36 min Scan# 374

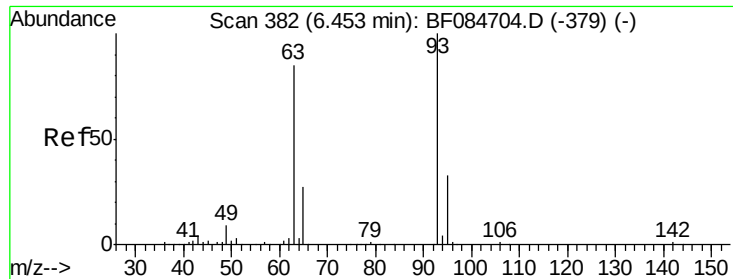
Delta R.T. 0.01 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	94	Resp:	861163
Ion Ratio	Lower	Upper	
94	100		
65	36.8	12.9	52.9
66	51.9	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 48.27 ng m

RT: 6.43 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

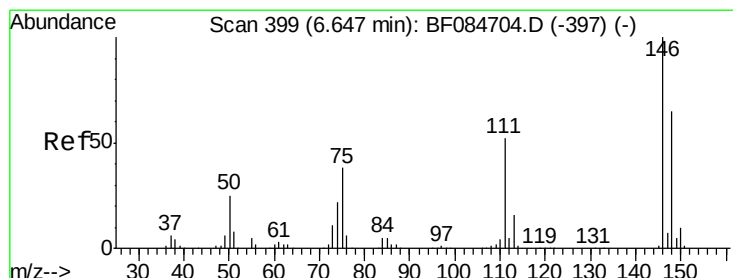
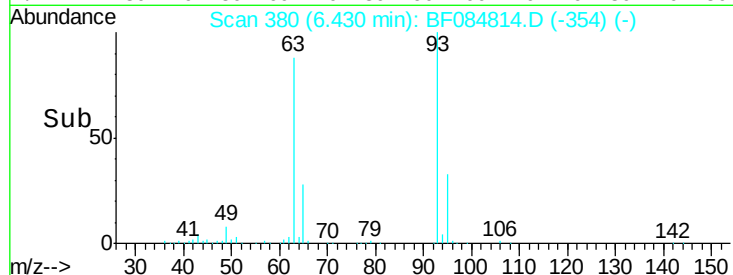
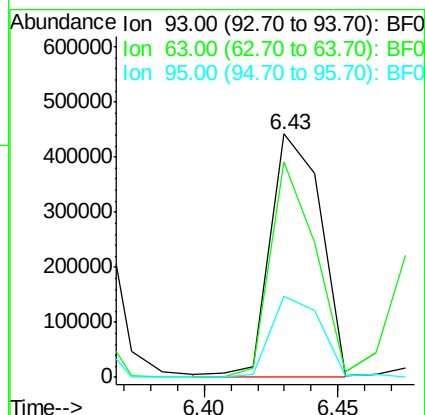
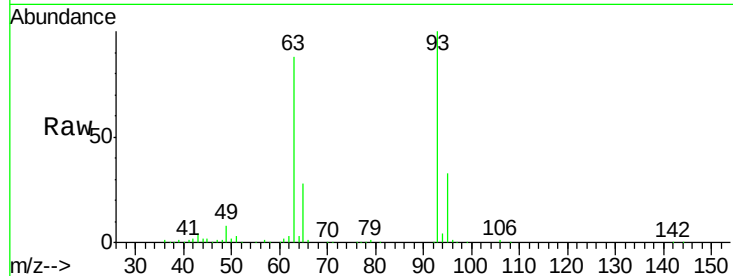
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:	93	Resp:	578168
Ion Ratio	Lower	Upper	
93	100		
63	88.4	45.9	85.9#
95	33.2	12.3	52.3

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#12

1,3-Dichlorobenzene

Concen: 45.04 ng m

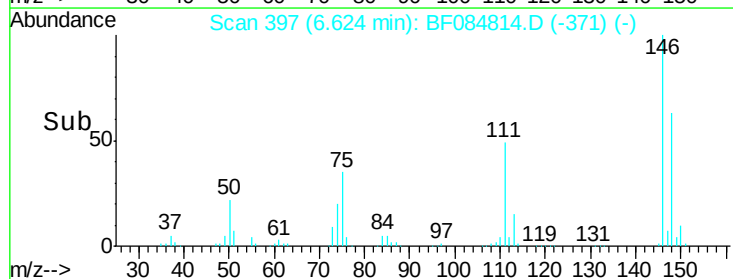
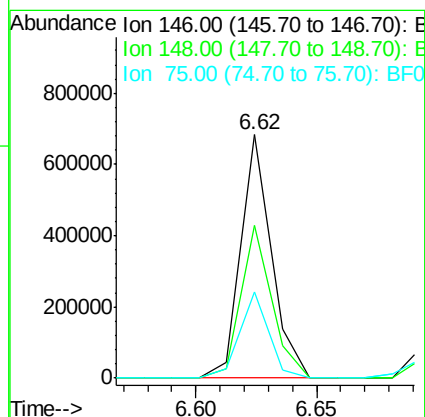
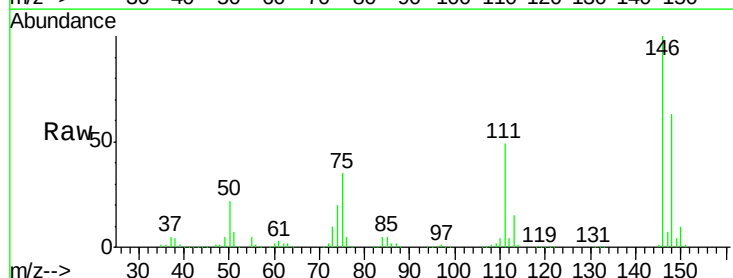
RT: 6.62 min Scan# 397

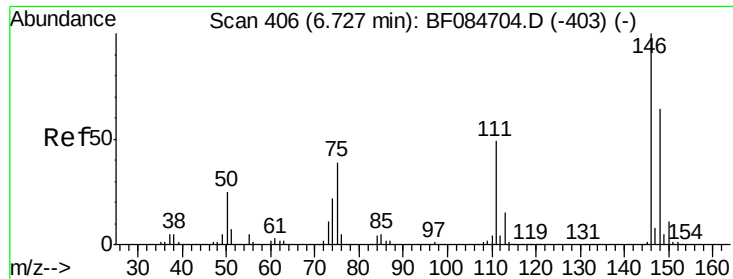
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	146	Resp:	595686
Ion Ratio	Lower	Upper	
146	100		
148	63.0	51.9	77.9
75	35.5	20.5	30.7#





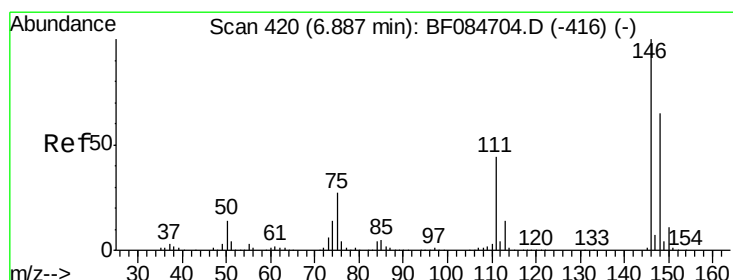
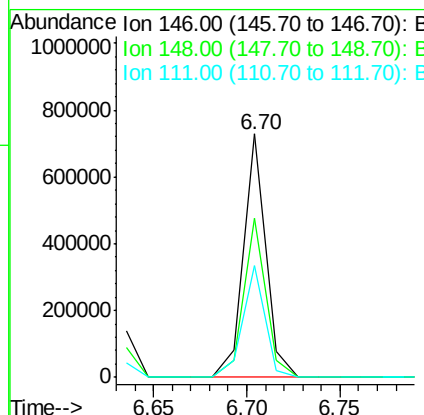
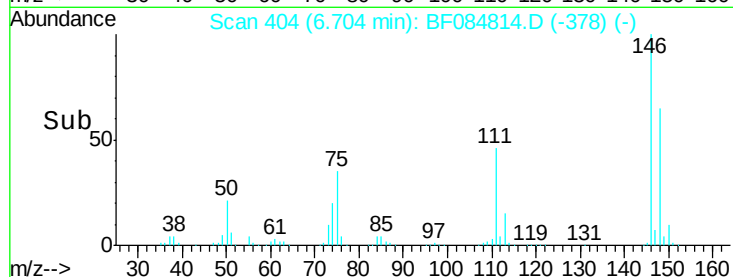
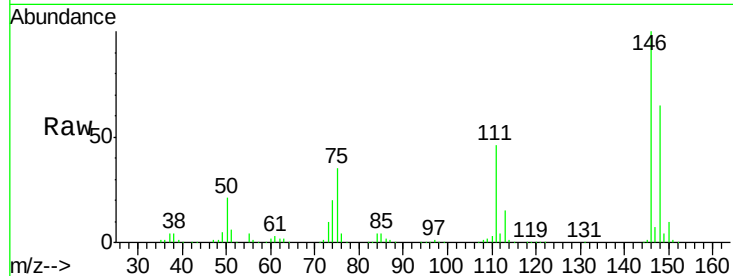
#13
 1,4-Dichlorobenzene
 Concen: 46.05 ng
 RT: 6.70 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.9	77.9
111	45.7	41.6	62.4

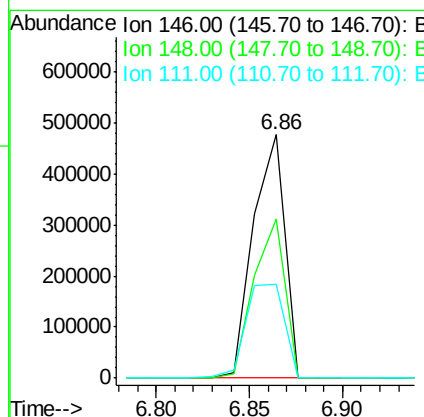
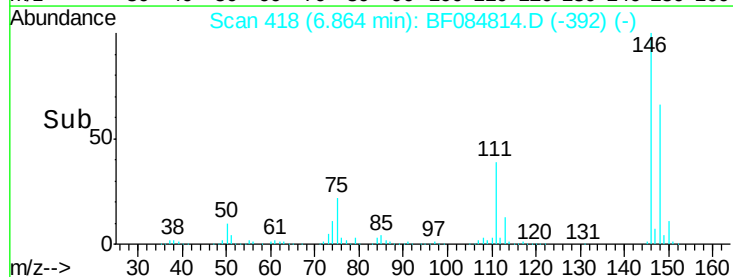
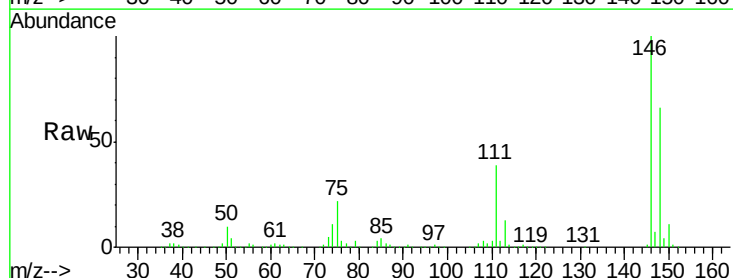
Manual Integrations
 APPROVED

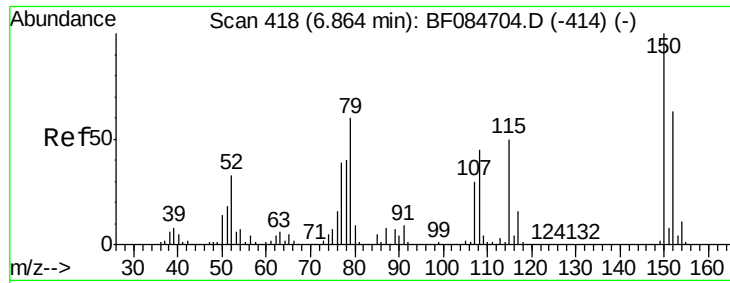
mohammad
 2/4/2016 2:05:22 PM



#14
 1,2-Dichlorobenzene
 Concen: 45.21 ng
 RT: 6.86 min Scan# 418
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.6	77.4
111	38.7	38.0	57.0





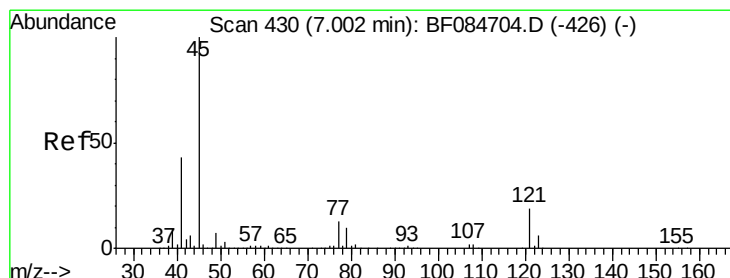
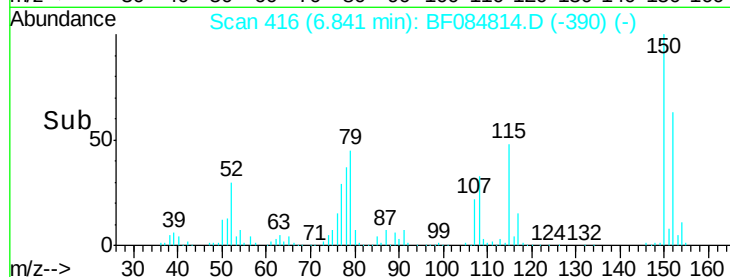
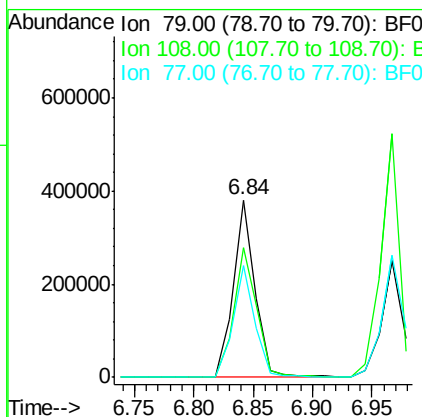
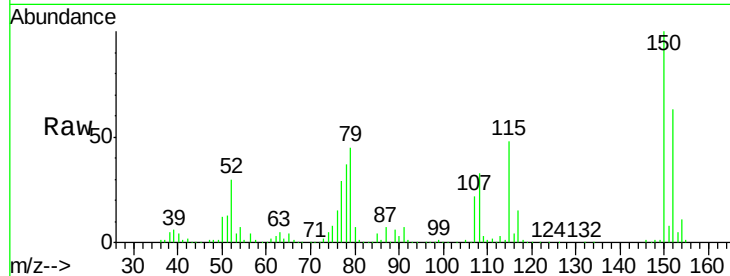
#15
Benzyl Alcohol
Concen: 51.19 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	72.9	69.0	103.4
77	63.1	50.0	75.0

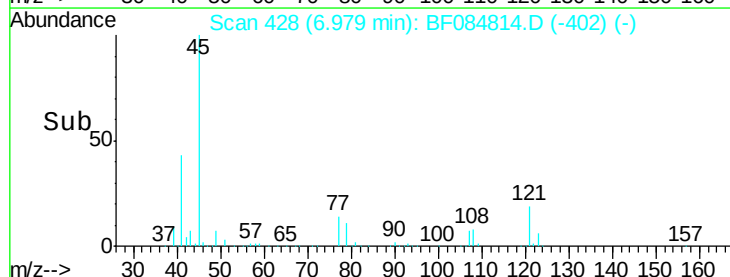
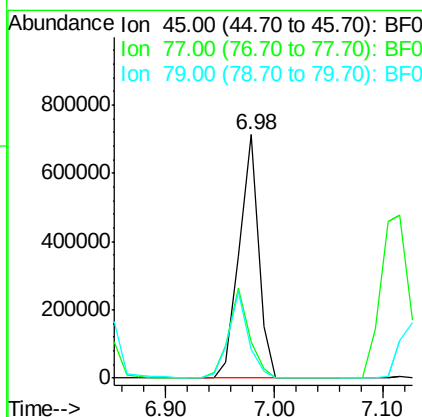
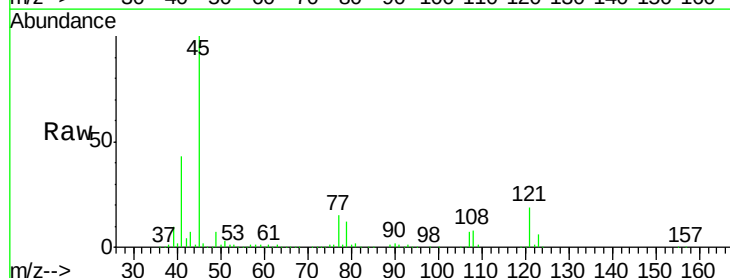
Manual Integrations
APPROVED

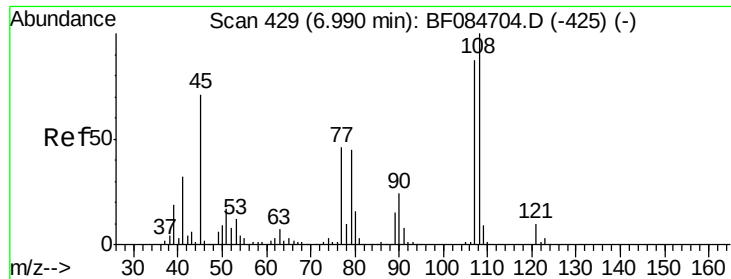
mohammad
2/4/2016 2:05:22 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.24 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	39.6
79	11.9	0.0	35.0





#17

2-Methylphenol

Concen: 49.92 ng

RT: 6.97 min Scan# 427

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

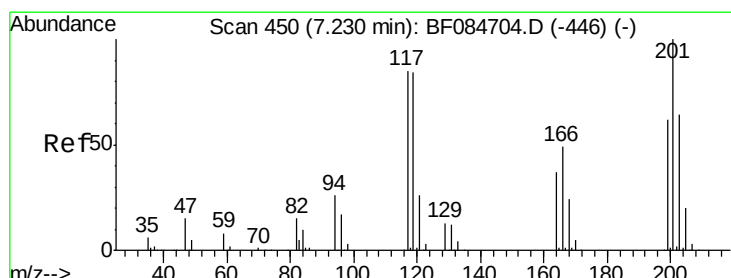
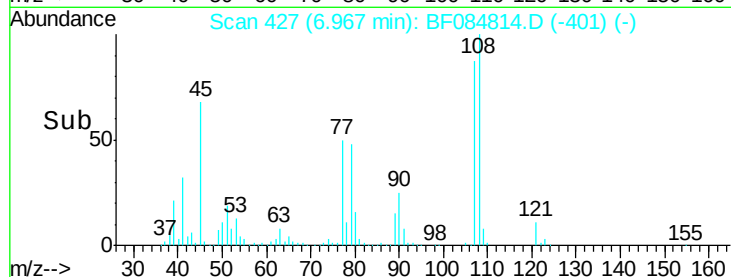
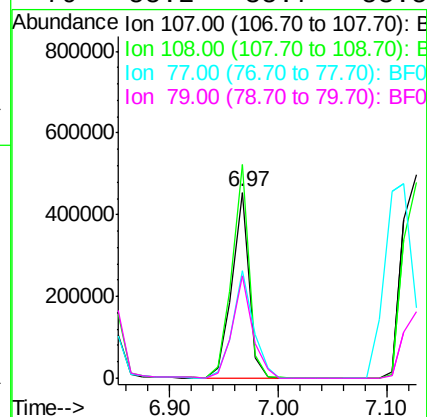
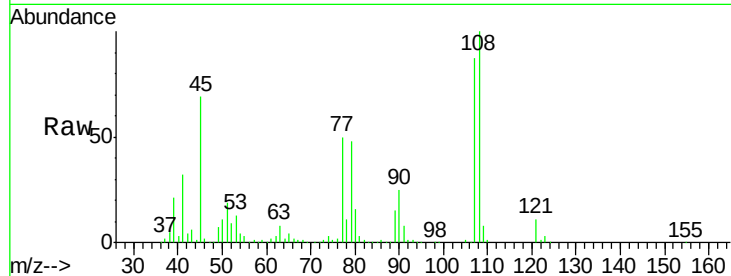
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	494271		
108	114.8	89.8	134.6	
77	57.6	35.7	53.5#	
79	55.2	35.7	53.5#	

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#18

Hexachloroethane

Concen: 45.75 ng

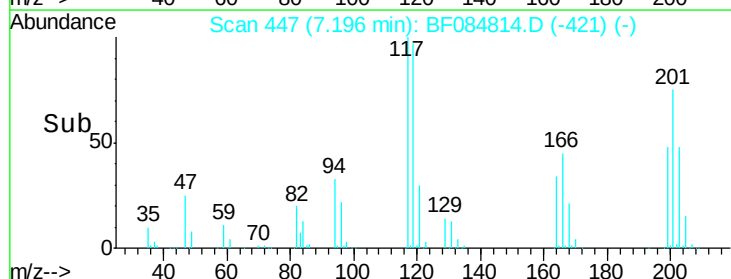
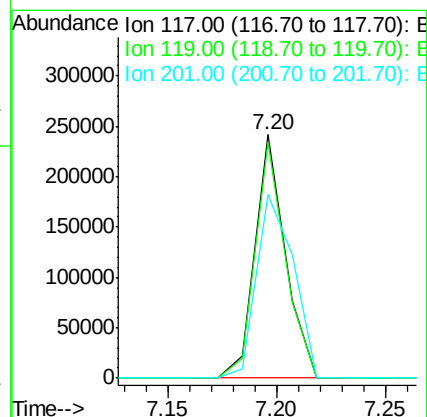
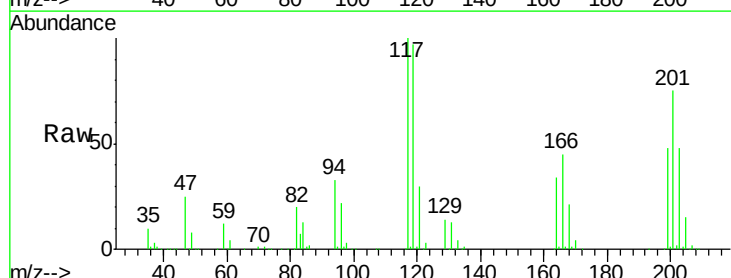
RT: 7.20 min Scan# 447

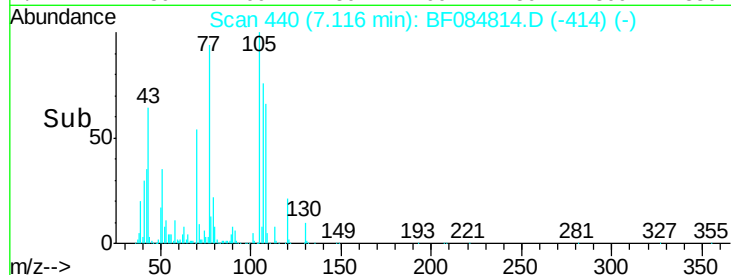
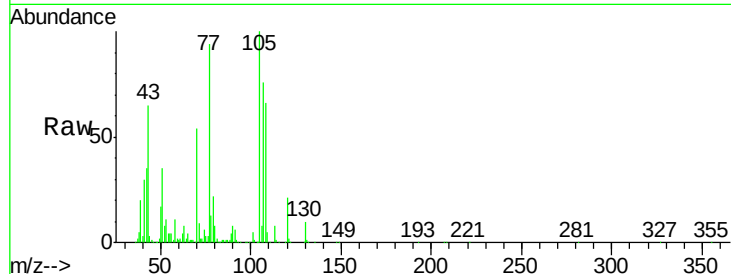
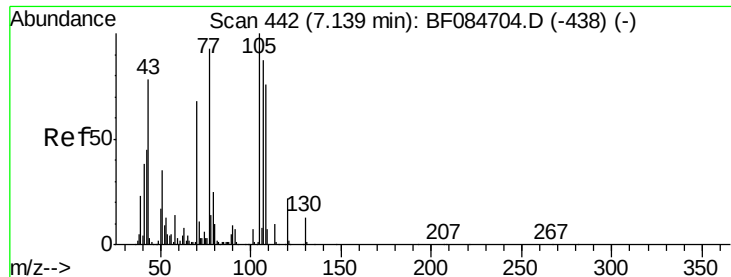
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	232953		
119	96.7	77.4	116.0	
201	75.3	68.6	103.0	





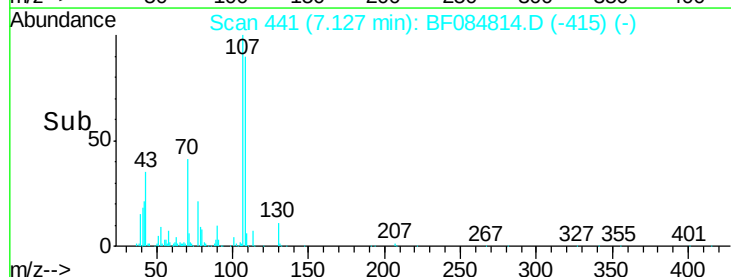
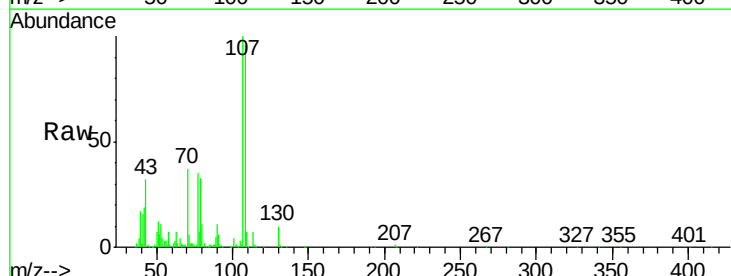
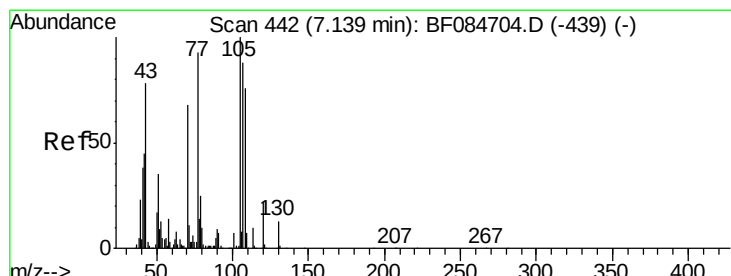
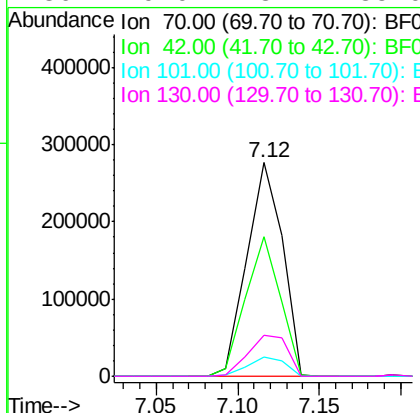
#19
n-Nitroso-di-n-propylamine
Concen: 48.74 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	65.1	33.3	49.9#		
101	9.2	9.3	13.9#		
130	19.0	23.4	35.0#		

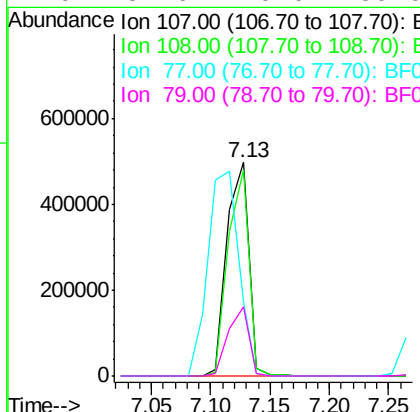
Manual Integrations
APPROVED

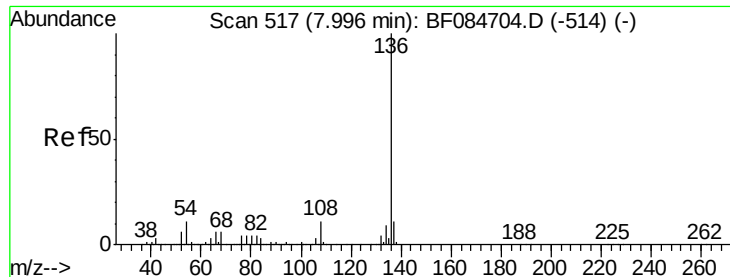
mohammad
2/4/2016 2:05:22 PM



#20
3+4-Methylphenols
Concen: 51.58 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	96.4	74.6	114.6		
77	34.5	0.7	40.7		
79	32.6	0.0	39.0		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.00 min

Lab File: BF084814.D

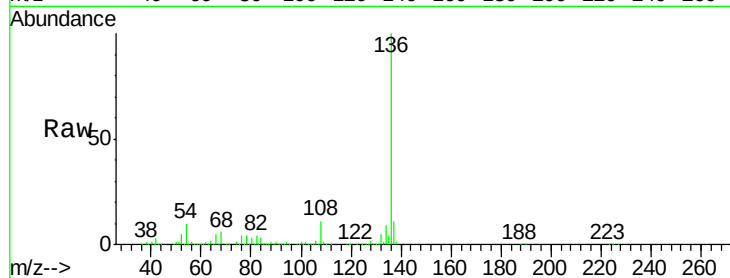
Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

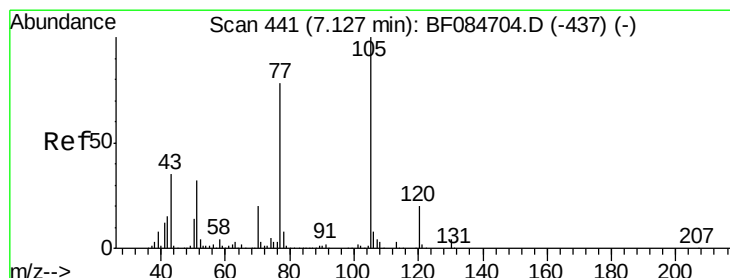
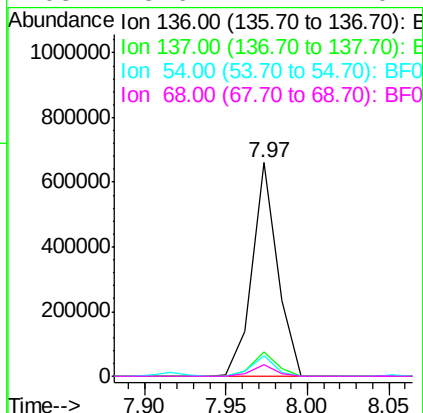
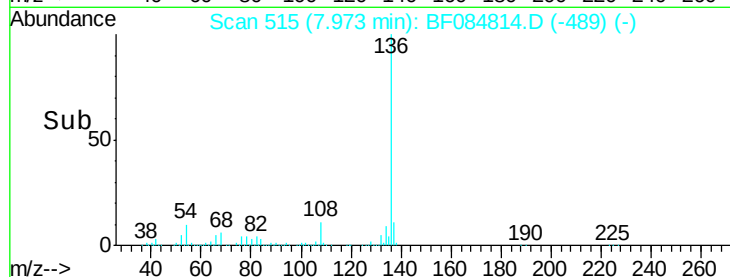
SUP-B005(34-36)MS



Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.7	13.1	
54	9.8	5.8	8.8	
68	5.6	4.2	6.2	

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#22

Acetophenone

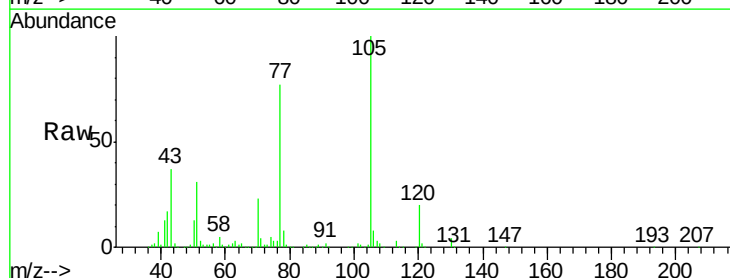
Concen: 47.27 ng

RT: 7.10 min Scan# 439

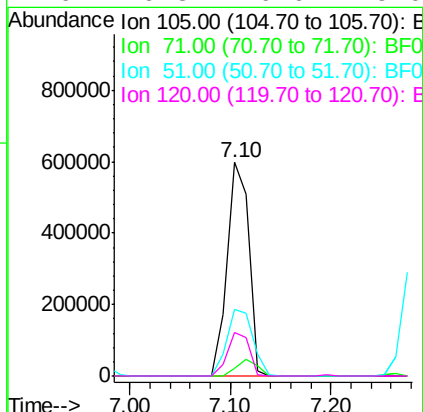
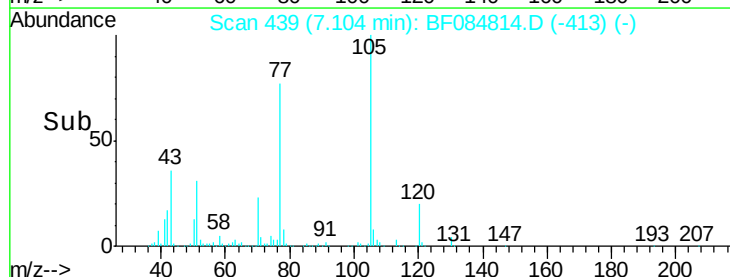
Delta R.T. -0.00 min

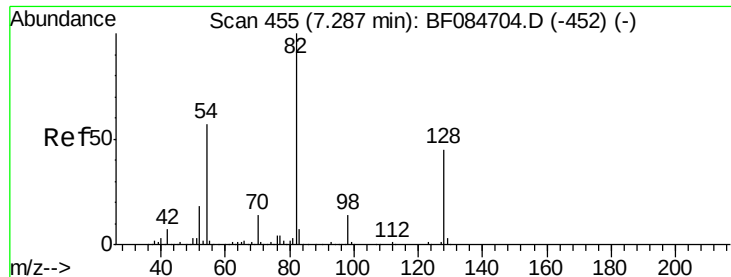
Lab File: BF084814.D

Acq: 4 Feb 2016 5:04



Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	3.9	3.7	5.5	
51	31.2	25.1	37.7	
120	20.3	16.6	25.0	





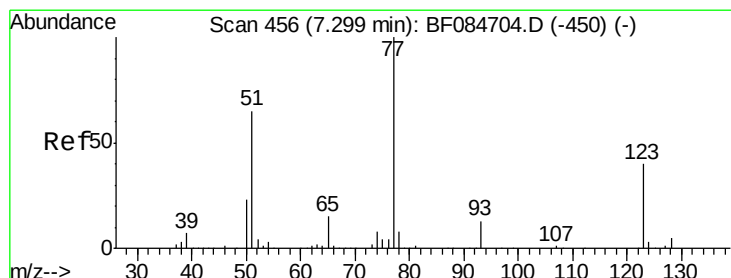
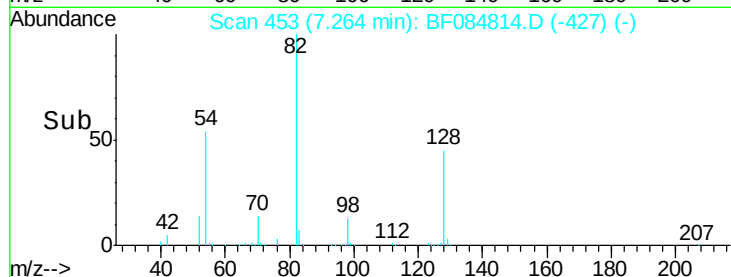
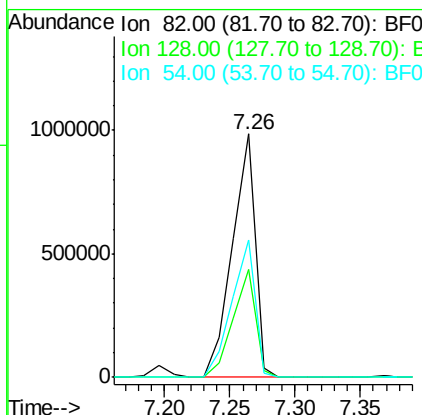
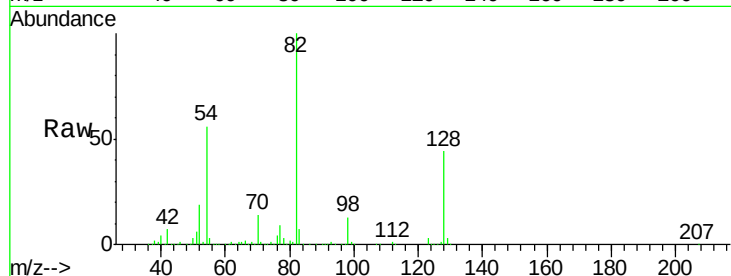
#23
Nitrobenzene-d5
Concen: 95.12 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.6	51.8
54	56.3	38.4	57.6

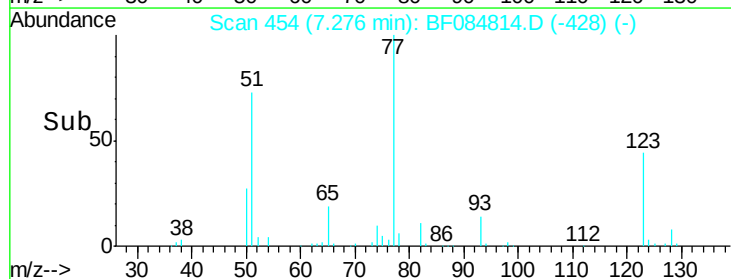
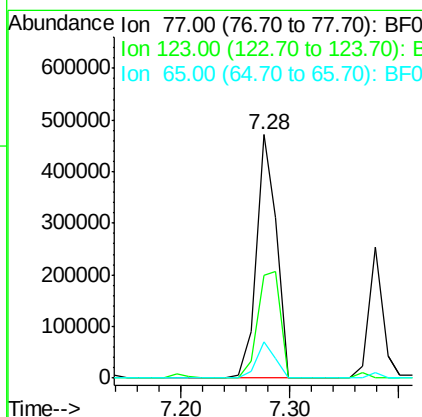
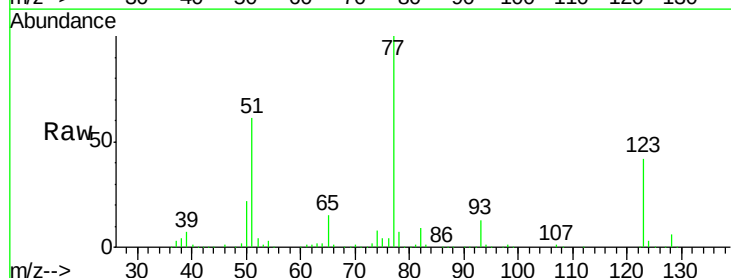
Manual Integrations
APPROVED

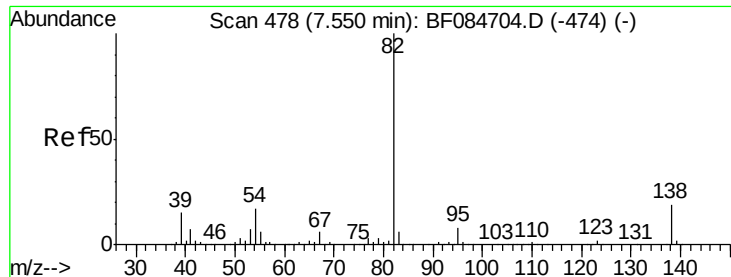
mohammad
2/4/2016 2:05:22 PM



#24
Nitrobenzene
Concen: 44.60 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.4	37.4	56.2
65	15.0	10.9	16.3





#25

Isophorone

Concen: 47.73 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MS

Tot Ion: 82 Resp: 1173569

Ion Ratio Lower Upper

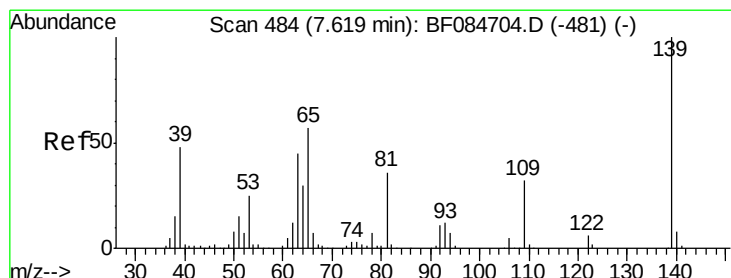
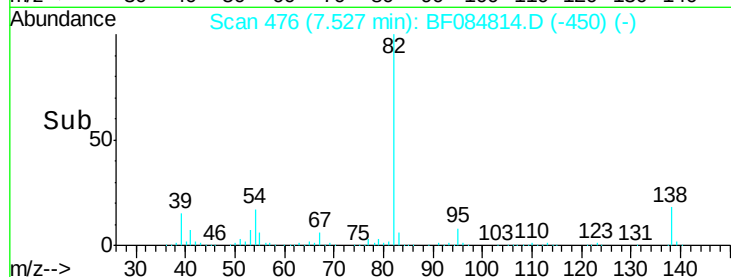
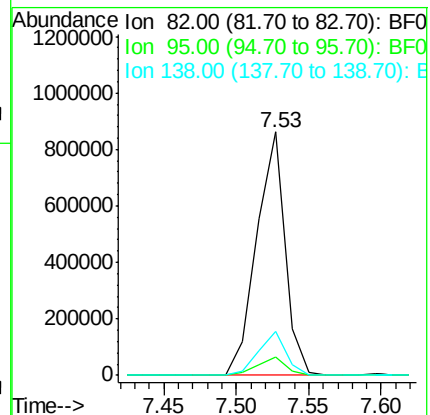
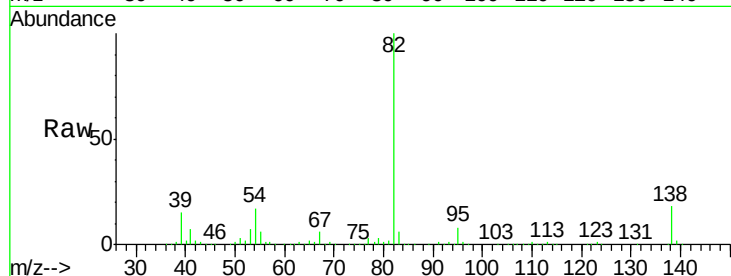
82 100

95 7.6 6.6 10.0

138 18.2 13.6 20.4

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#26

2-Nitrophenol

Concen: 48.23 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

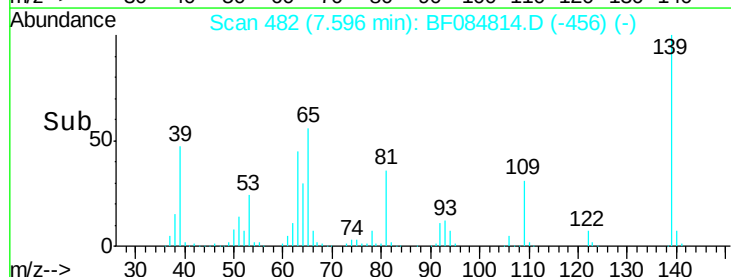
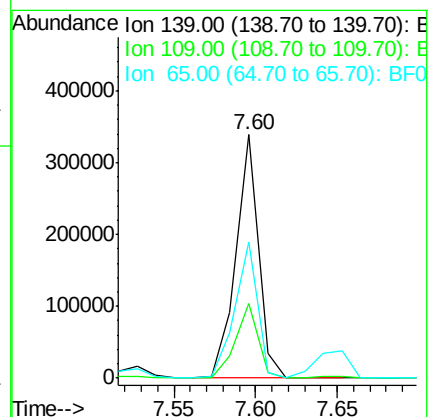
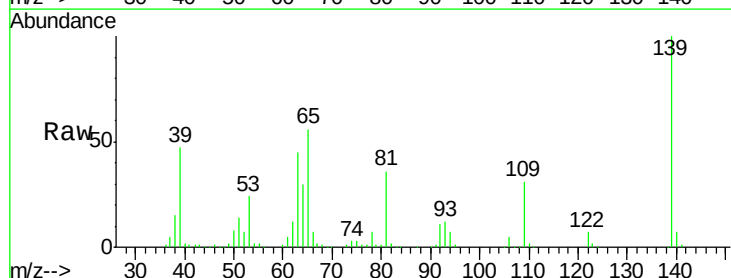
Tgt Ion: 139 Resp: 322071

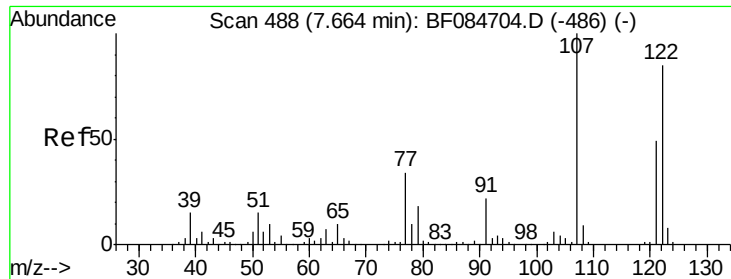
Ion Ratio Lower Upper

139 100

109 30.8 25.4 38.2

65 55.8 32.3 48.5#





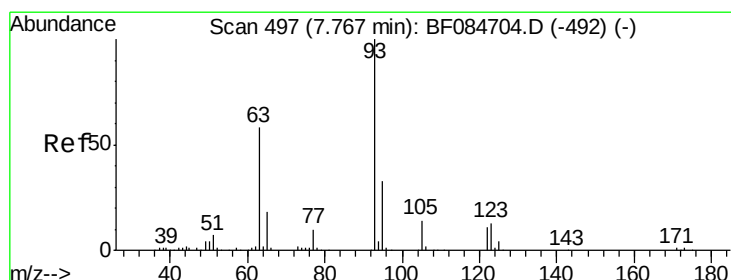
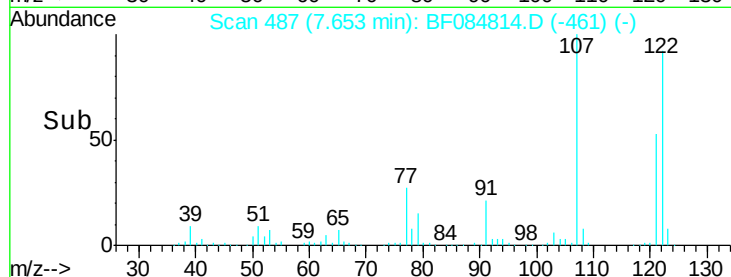
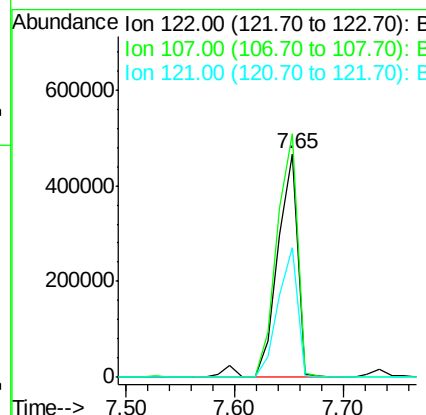
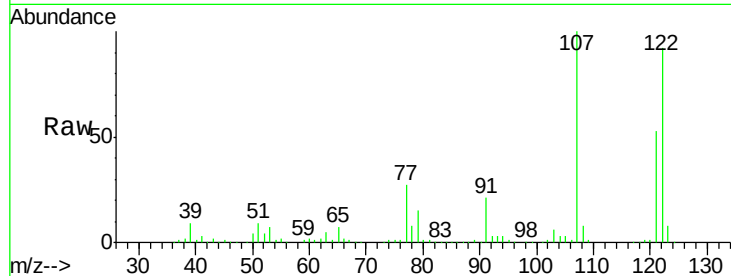
#27
 2,4-Dimethylphenol
 Concen: 52.14 ng
 RT: 7.65 min Scan# 487
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	605683		
107	109.0	99.1	148.7	
121	58.0	47.9	71.9	

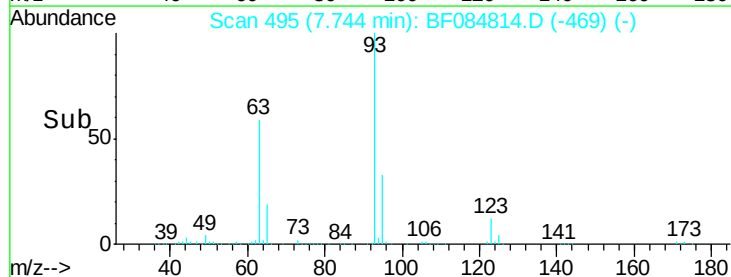
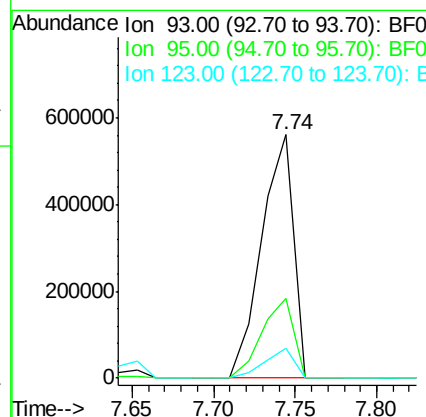
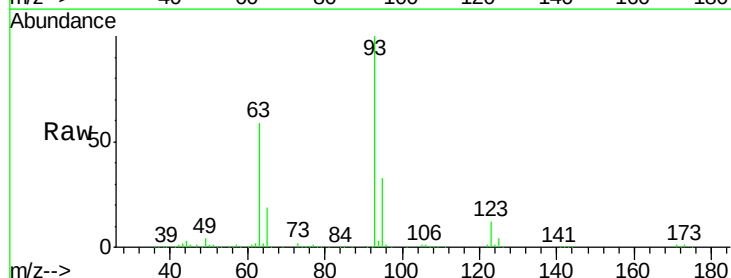
Manual Integrations
 APPROVED

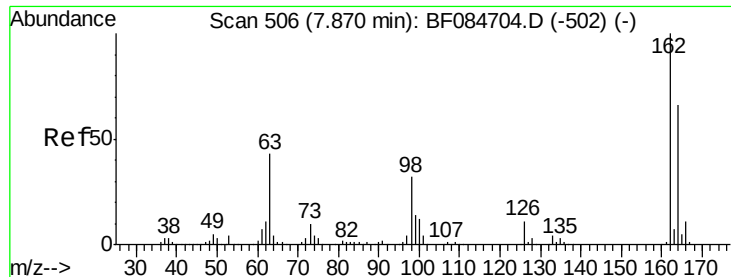
mohammad
 2/4/2016 2:05:22 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 52.12 ng
 RT: 7.74 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	760294		
95	33.0	25.8	38.6	
123	12.1	8.6	12.8	





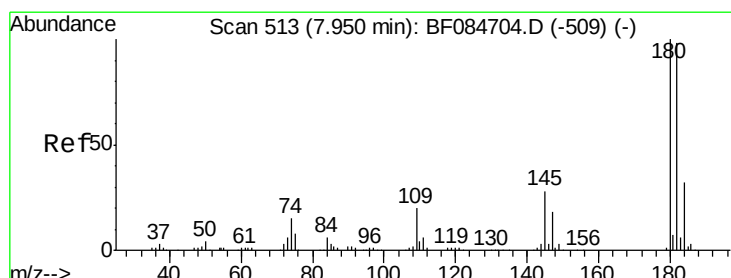
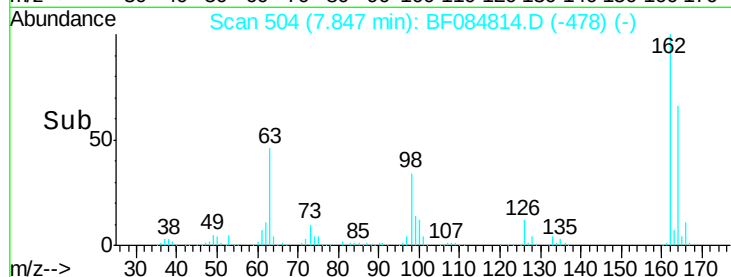
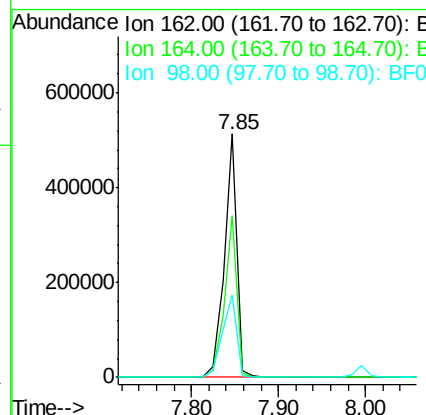
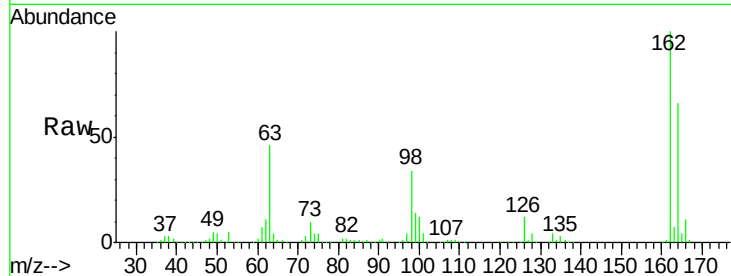
#29
 2,4-Dichlorophenol
 Concen: 52.64 ng
 RT: 7.85 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	66.2	44.1	84.1
98	33.6	20.2	60.2

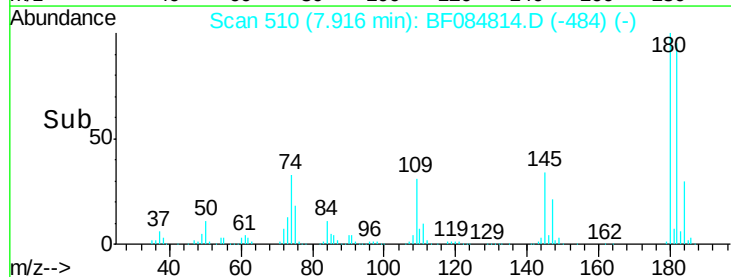
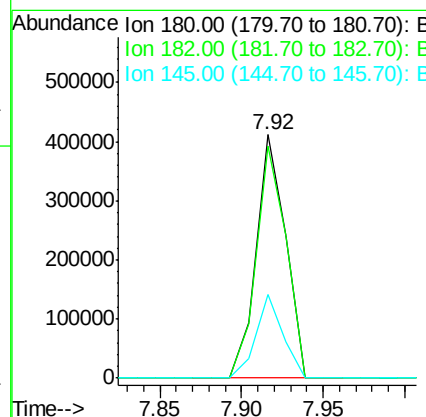
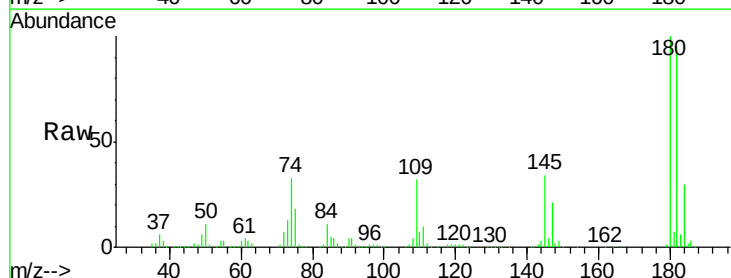
Manual Integrations
 APPROVED

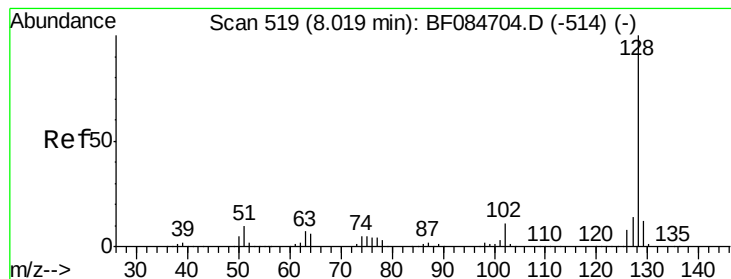
mohammad
 2/4/2016 2:05:22 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 45.67 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.4	76.4	114.6
145	34.2	31.6	47.4





#31

Naphthalene

Concen: 44.18 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:128 Resp: 1578577

Ion Ratio Lower Upper

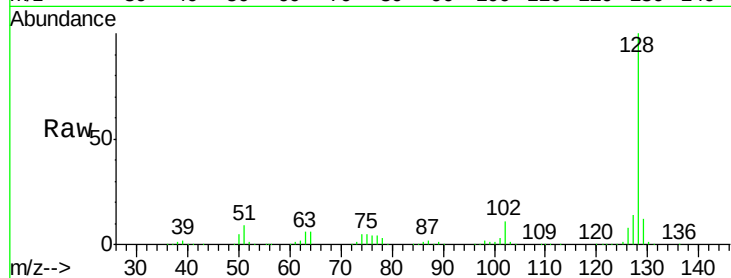
128 100

129 11.9 9.1 13.7

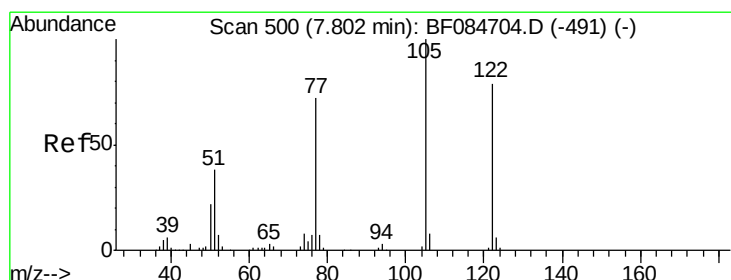
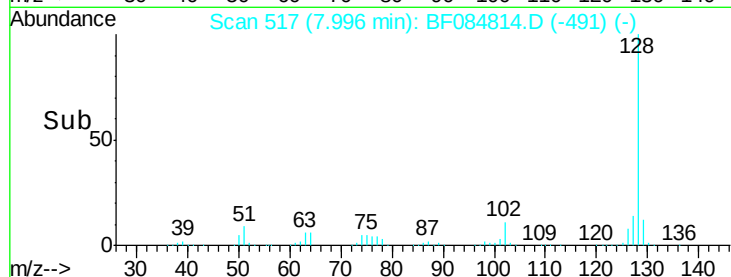
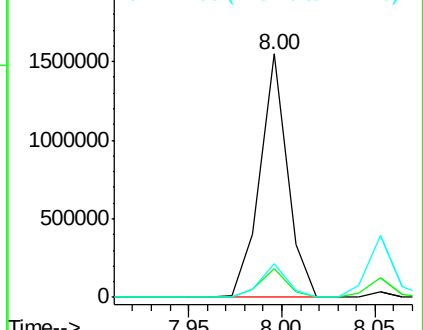
127 13.9 11.1 16.7

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 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: 3.16 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.06 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

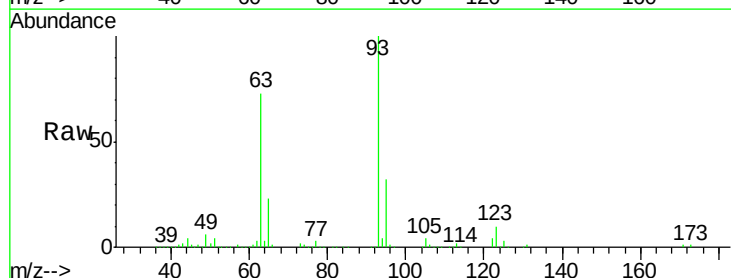
Tgt Ion:122 Resp: 23461

Ion Ratio Lower Upper

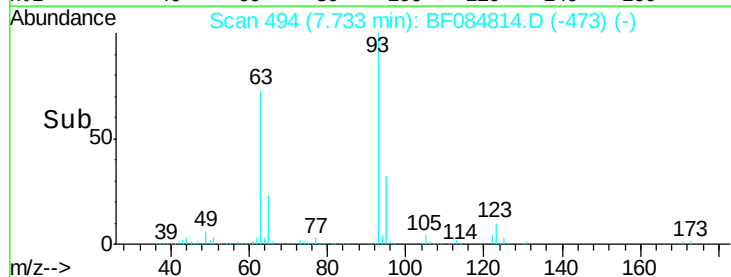
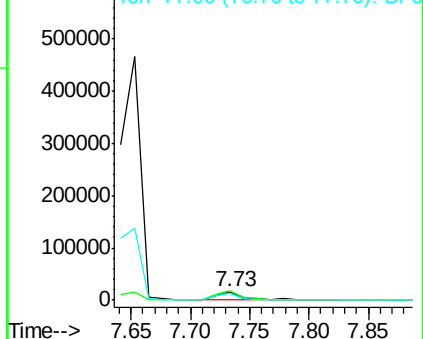
122 100

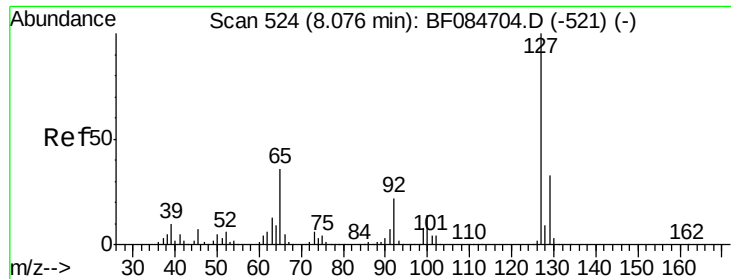
105 114.4 100.3 140.3

77 87.9 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





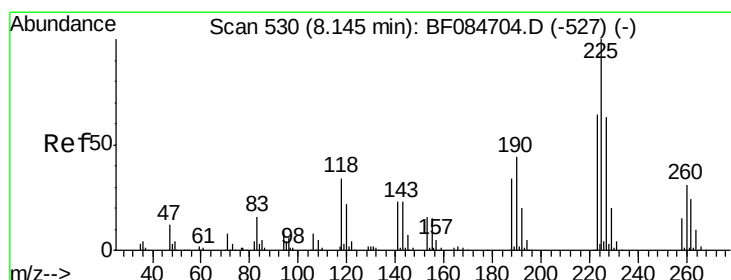
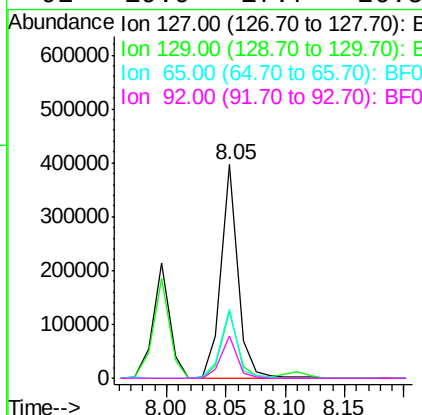
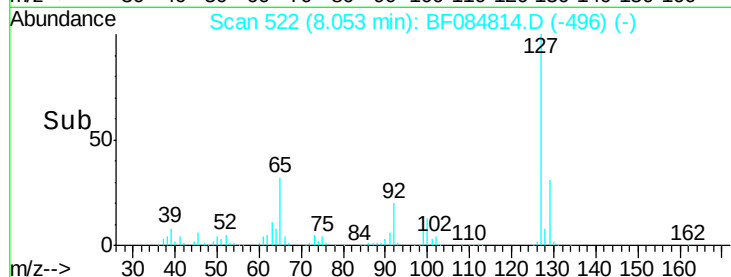
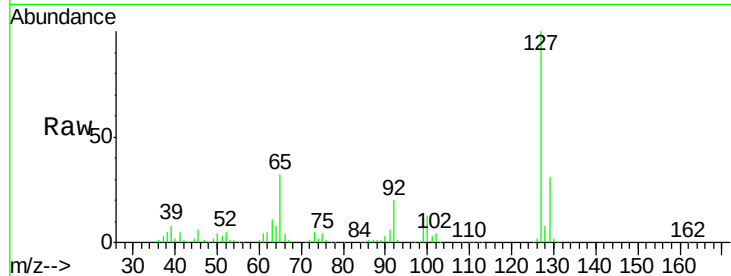
#33
4-Chloroaniline
Concen: 26.62 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.5	26.5	39.7		
65	32.2	27.2	40.8		
92	19.9	17.7	26.5		

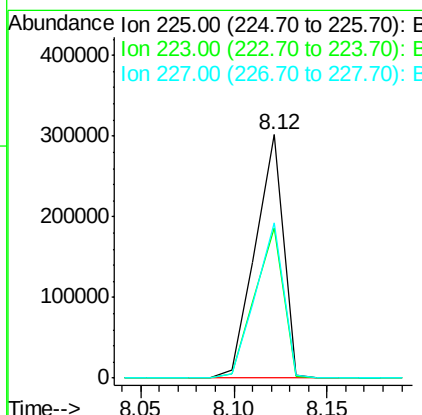
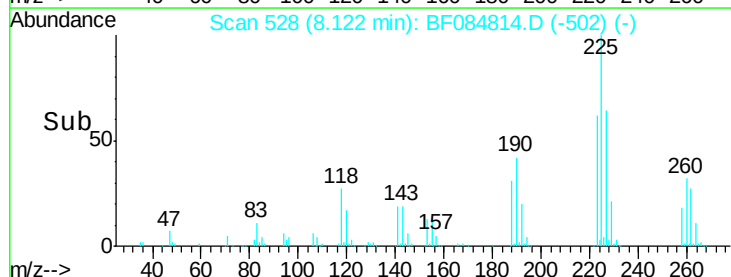
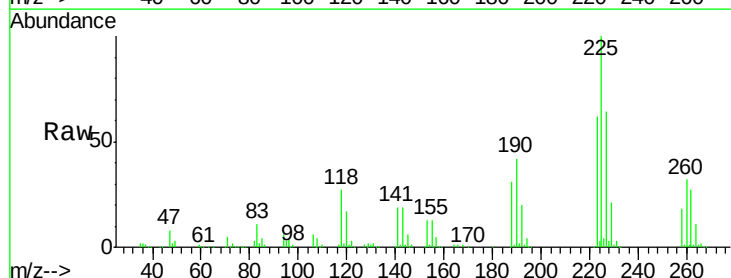
Manual Integrations
APPROVED

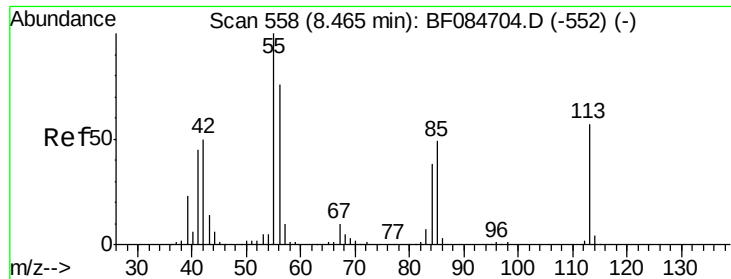
mohammad
2/4/2016 2:05:22 PM



#34
Hexachlorobutadiene
Concen: 48.52 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.8	49.4	74.0		
227	63.7	50.8	76.2		





#35

Caprolactam

Concen: 51.25 ng/ml

RT: 8.44 min Scan# 556

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

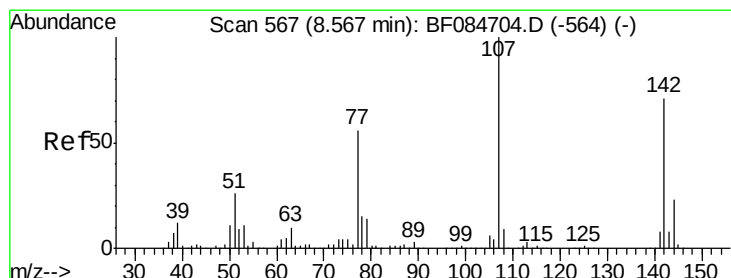
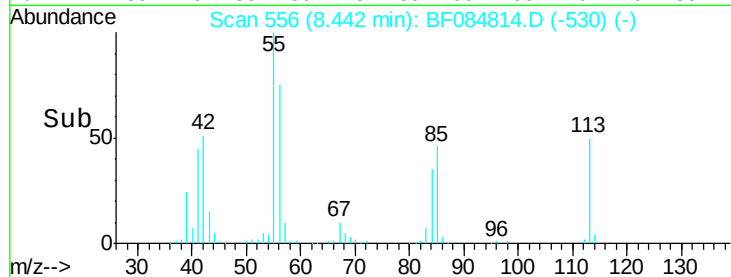
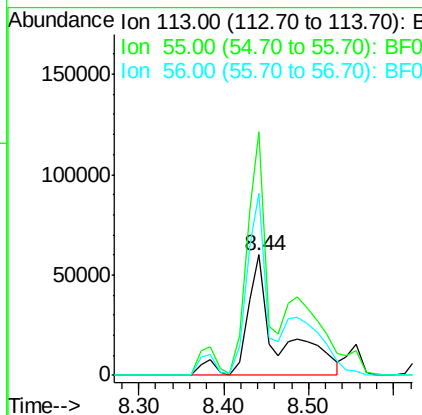
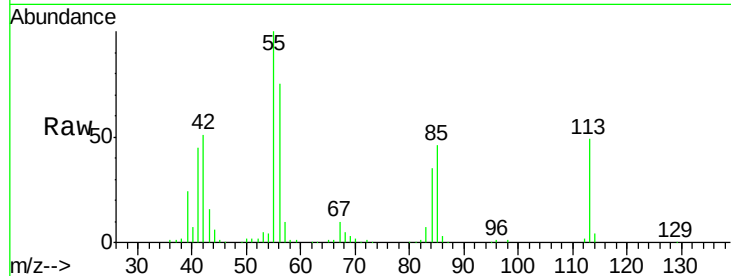
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:	113	Resp:	156993
Ion Ratio	Lower	Upper	
113	100		
55	202.4	116.9	156.9#
56	151.1	93.8	133.8#

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#36

4-Chloro-3-methylphenol

Concen: 50.81 ng/ml

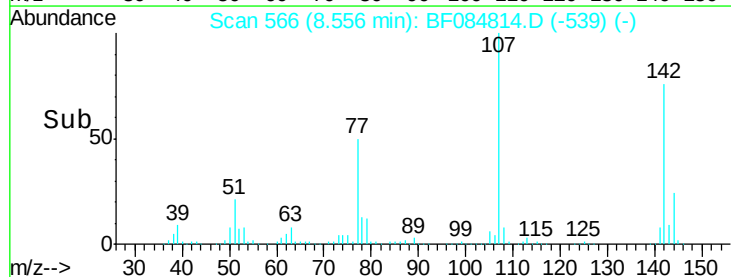
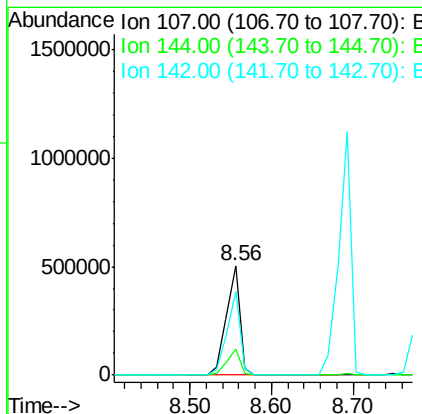
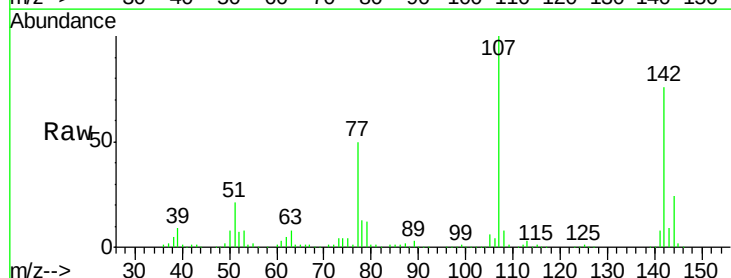
RT: 8.56 min Scan# 566

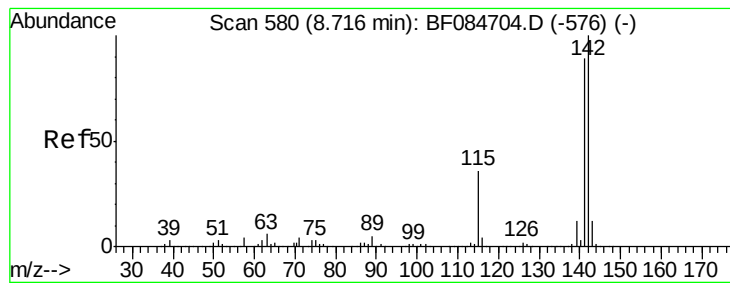
Delta R.T. 0.01 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	107	Resp:	576096
Ion Ratio	Lower	Upper	
107	100		
144	24.2	19.7	29.5
142	76.0	61.8	92.6





#37

2-Methylnaphthalene

Concen: 53.35 ng

RT: 8.69 min Scan# 578

Delta R.T. -0.00 min

Lab File: BF084814.D

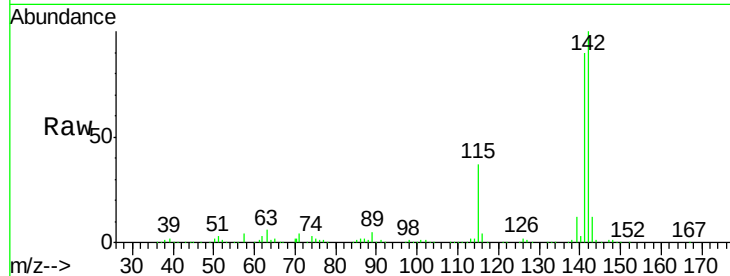
Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MS



Tot Ion:142 Resp: 1193030

Ion Ratio Lower Upper

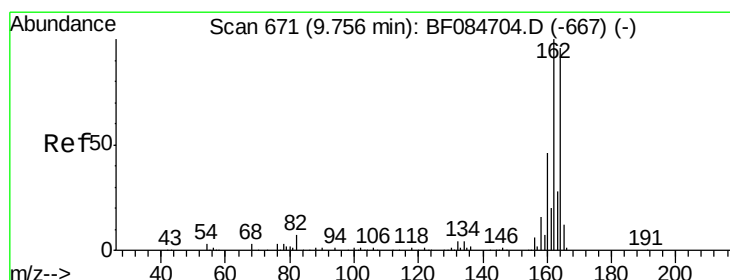
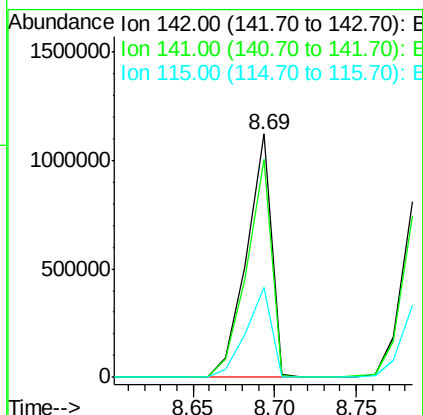
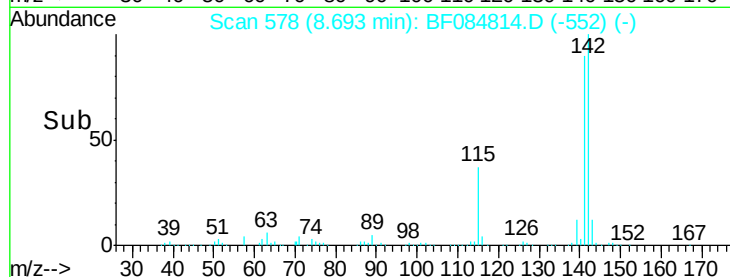
142 100

141 89.8 72.4 108.6

115 36.7 27.9 41.9

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

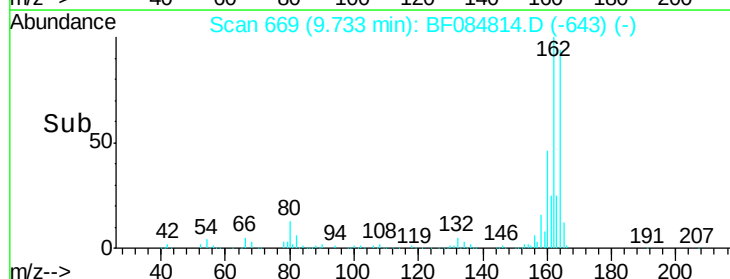
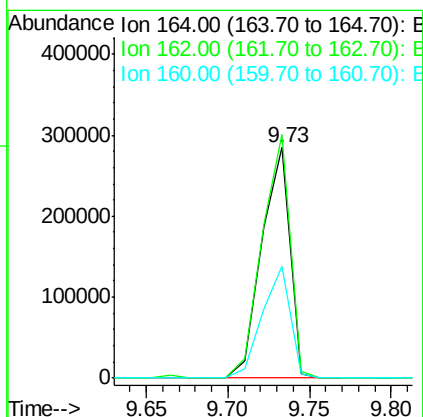
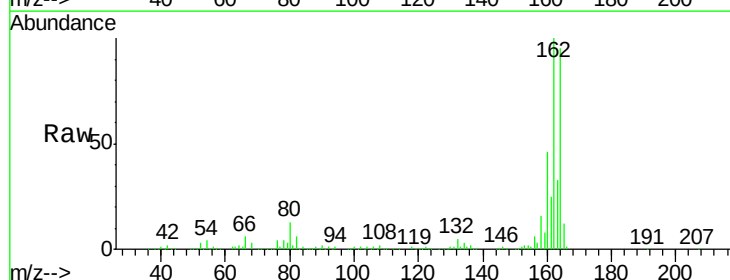
Tgt Ion:164 Resp: 342293

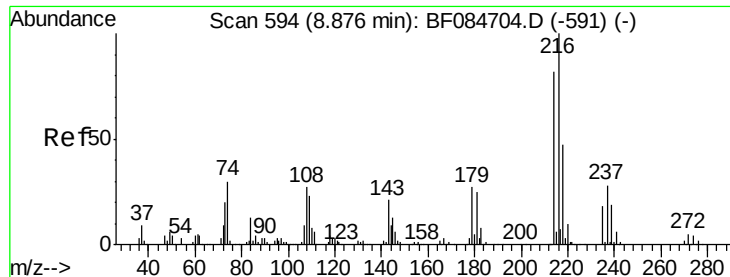
Ion Ratio Lower Upper

164 100

162 105.7 85.1 127.7

160 48.4 37.5 56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.95 ng

RT: 8.85 min Scan# 592

Delta R.T. -0.00 min

Lab File: BF084814.D

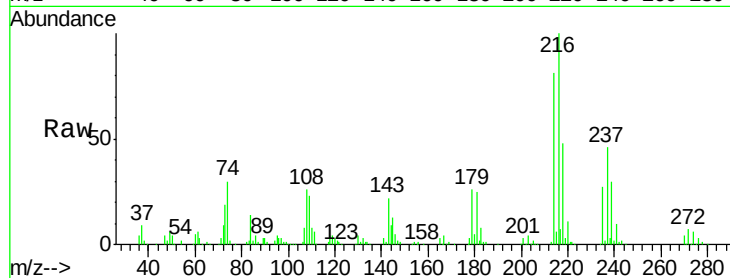
Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

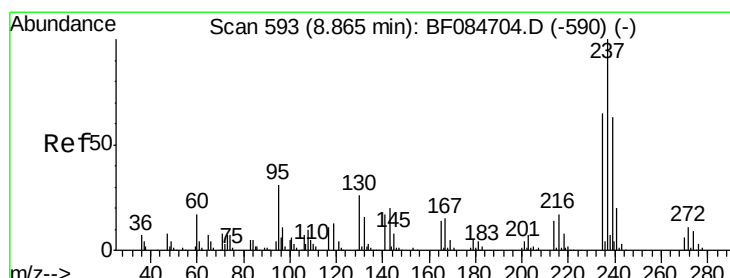
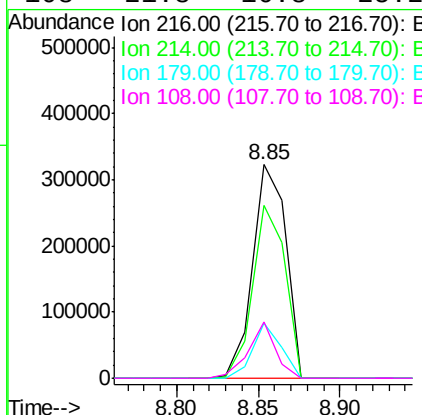
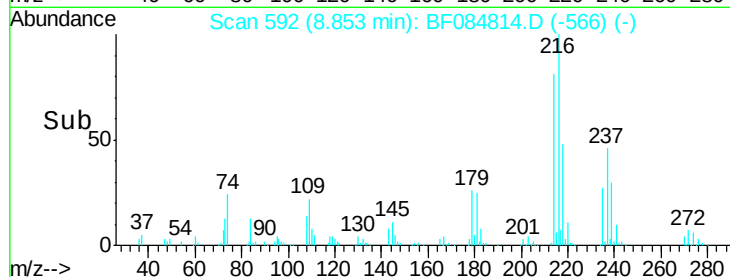
SUP-B005(34-36)MS



Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		456079		
214	79.2	64.2	96.2		
179	22.3	18.7	28.1		
108	21.8	16.8	25.2		

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#40

Hexachlorocyclopentadiene

Concen: 81.66 ng

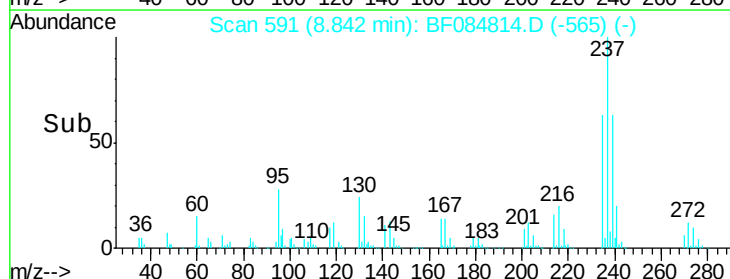
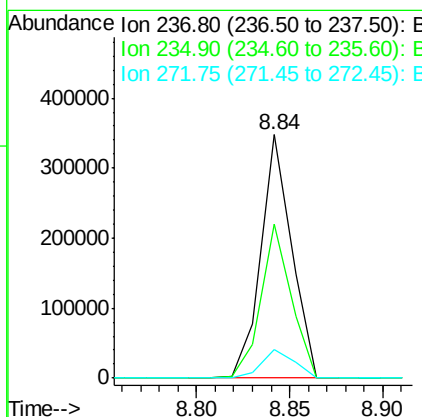
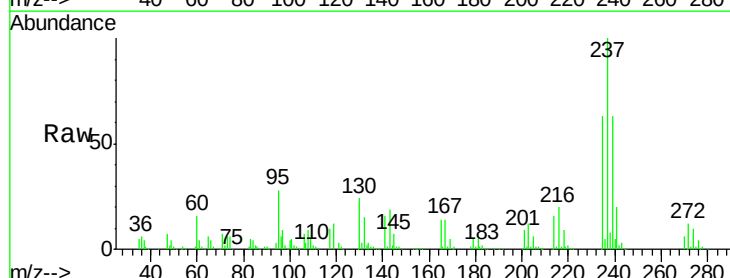
RT: 8.84 min Scan# 591

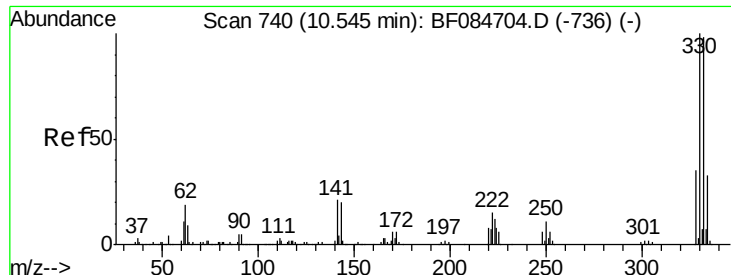
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		395209		
235	63.1	43.1	83.1		
272	11.8	0.0	35.1		





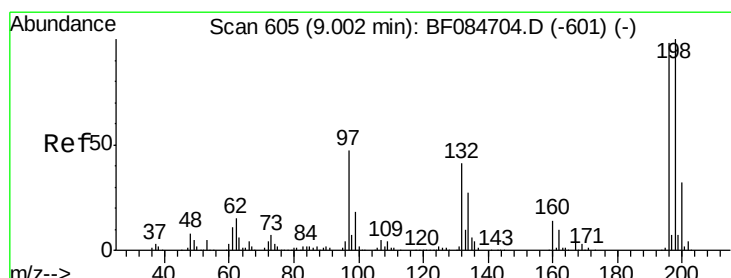
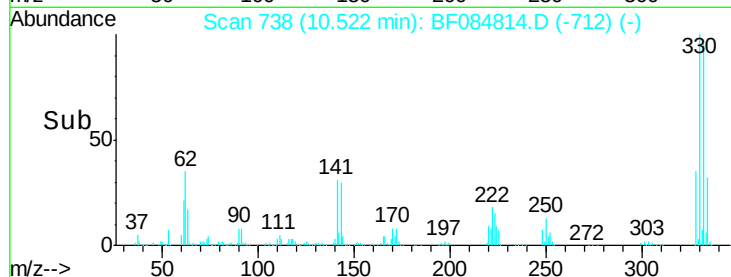
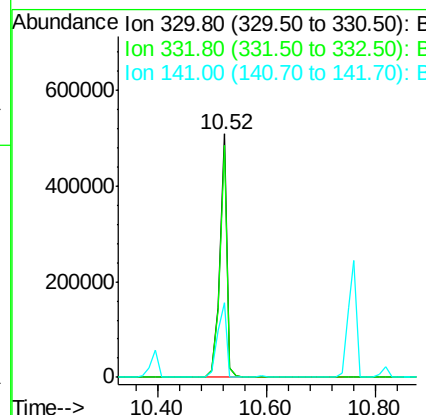
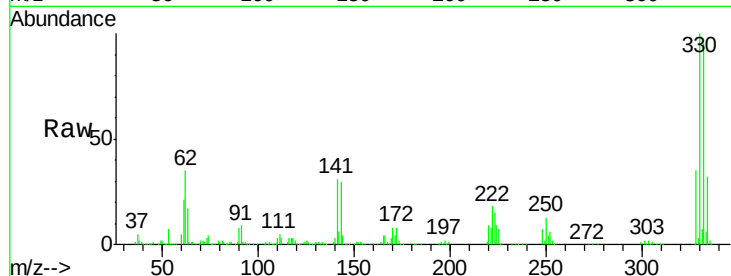
#41
 2,4,6-Tribromophenol
 Concen: 135.10 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	482347		
332	95.3	76.6	114.8	
141	38.5	27.8	41.6	

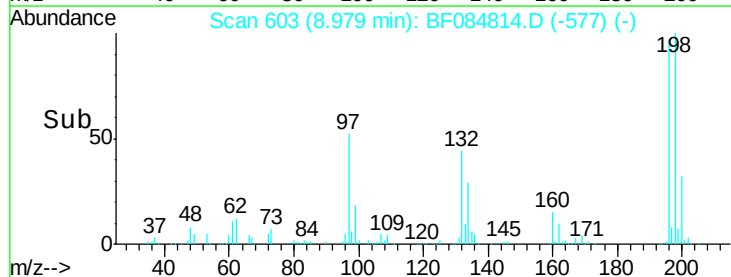
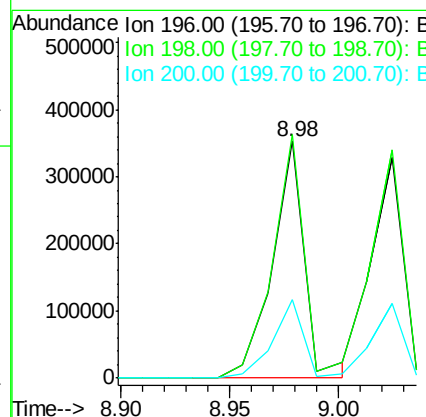
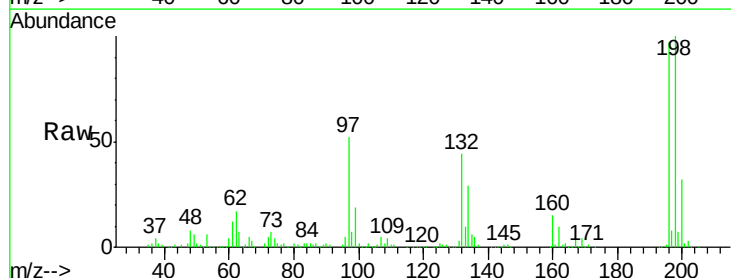
Manual Integrations
 APPROVED

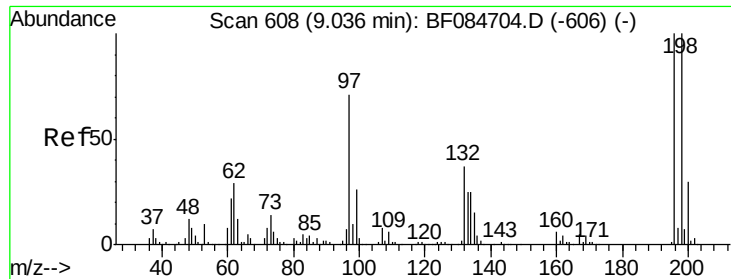
mohammad
 2/4/2016 2:05:22 PM



#42
 2,4,6-Trichlorophenol
 Concen: 52.14 ng
 RT: 8.98 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	365142		
198	102.7	77.7	116.5	
200	33.2	24.6	37.0	





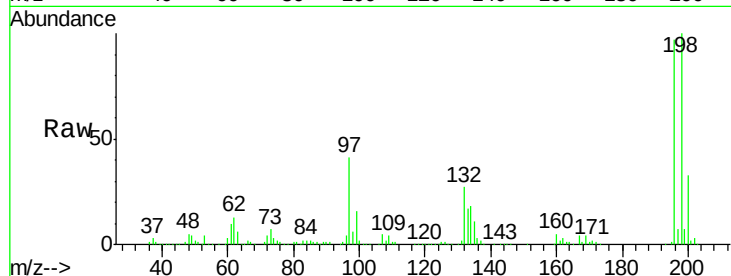
#43
 2,4,5-Trichlorophenol
 Concen: 47.17 ng
 RT: 9.02 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

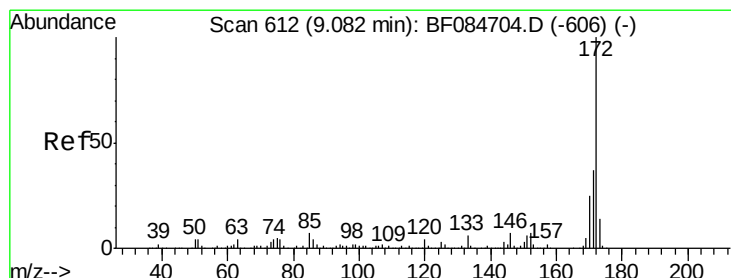
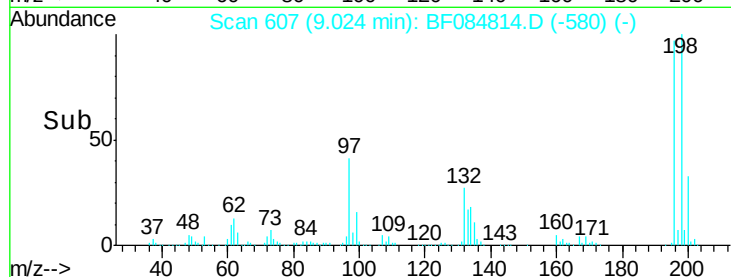
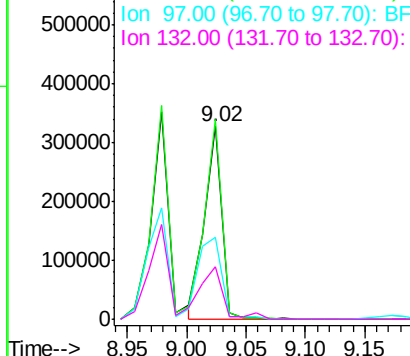
Tot Ion	196	Resp	335659
Ion Ratio	Lower	Upper	
196	100		
198	103.3	79.0	118.6
97	42.3	33.0	49.6
132	27.5	21.1	31.7

Manual Integrations
 APPROVED

mohammad
 2/4/2016 2:05:22 PM



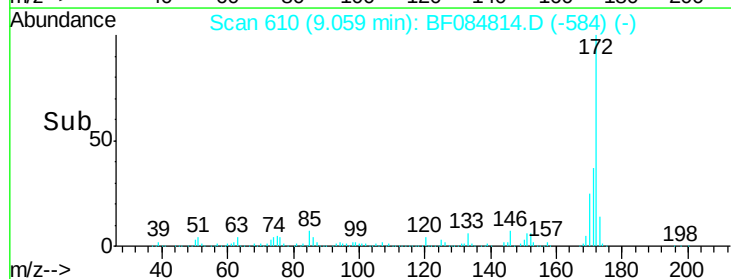
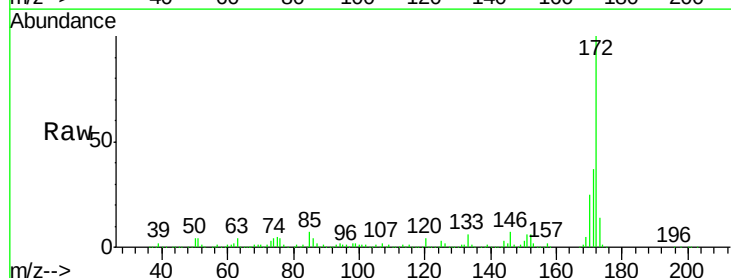
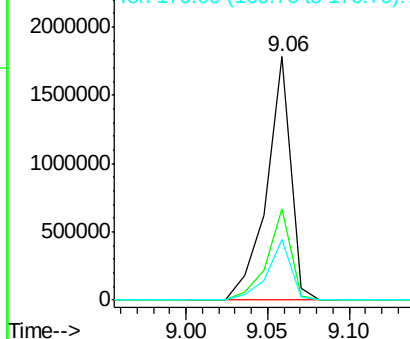
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

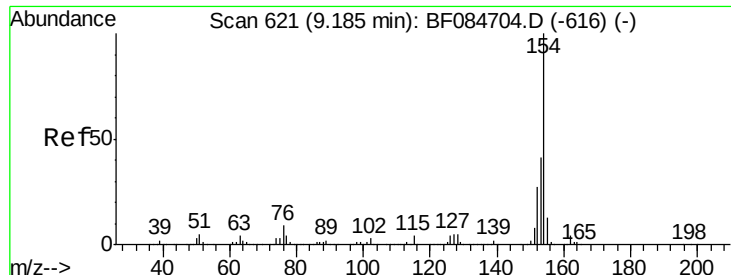


#44
 2-Fluorobiphenyl
 Concen: 93.36 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tgt Ion	172	Resp	1834939
Ion Ratio	Lower	Upper	
172	100		
171	37.3	28.9	43.3
170	25.1	18.6	27.8

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





#45

1,1'-Biphenyl

Concen: 45.50 ng

RT: 9.16 min Scan# 619

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:154 Resp: 1391078

Ion Ratio Lower Upper

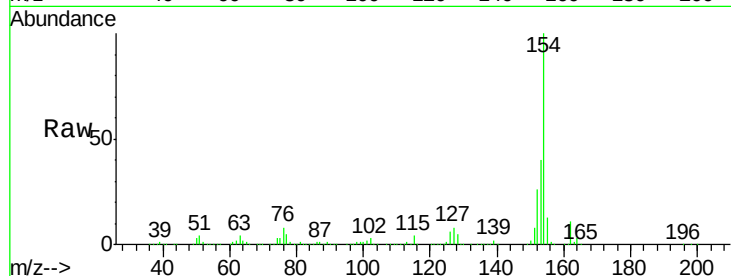
154 100

153 40.5 21.6 61.6

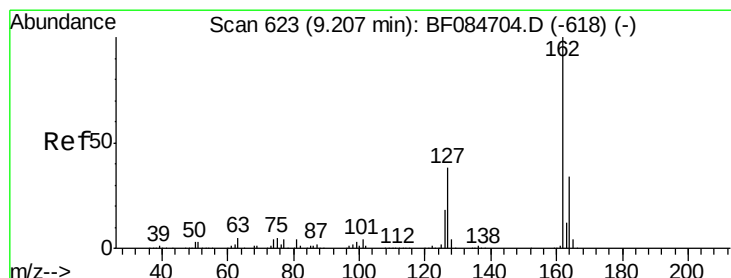
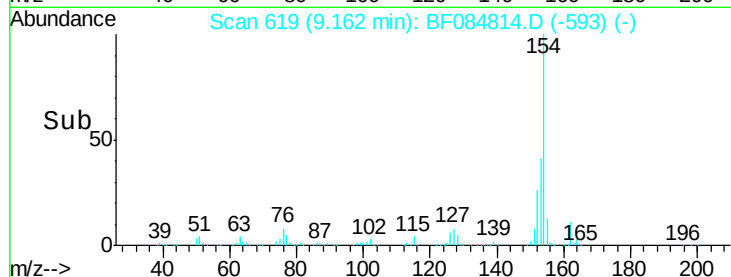
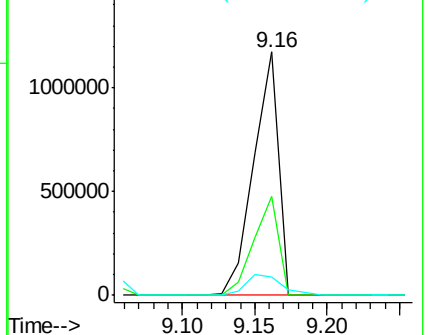
76 7.7 0.0 32.7

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 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: 45.23 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

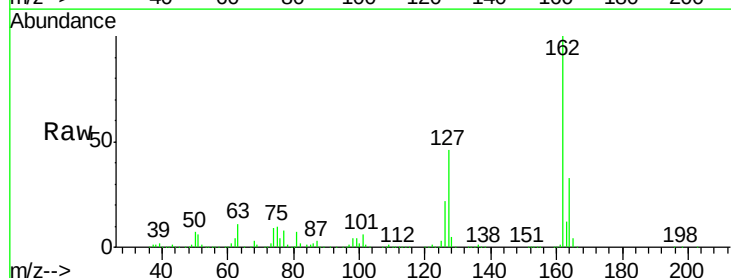
Tgt Ion:162 Resp: 1018295

Ion Ratio Lower Upper

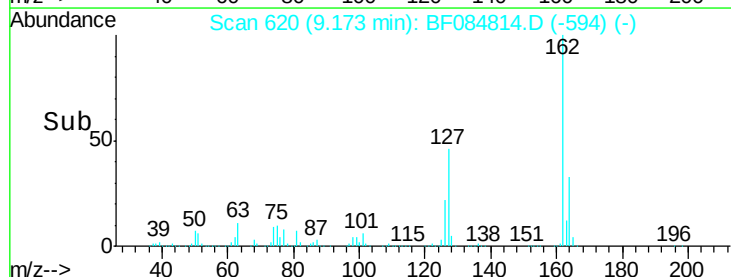
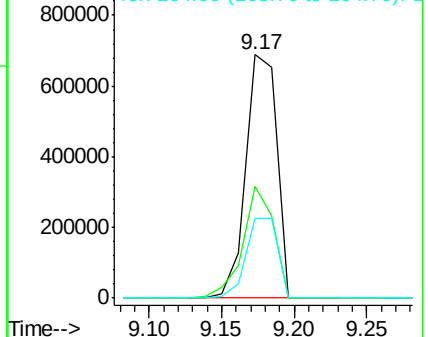
162 100

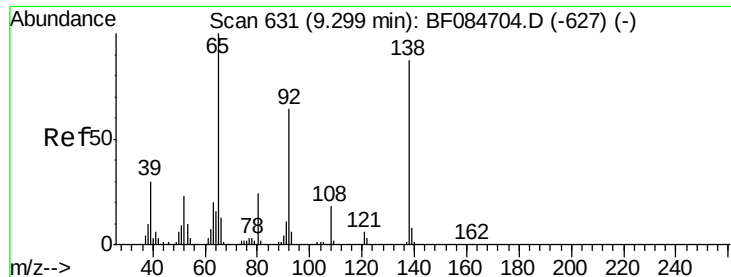
127 46.0 40.2 60.4

164 32.8 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: 49.18 ng

RT: 9.29 min Scan# 630

Delta R.T. 0.01 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MS

Tot Ion: 65 Resp: 350597
Ion Ratio Lower Upper

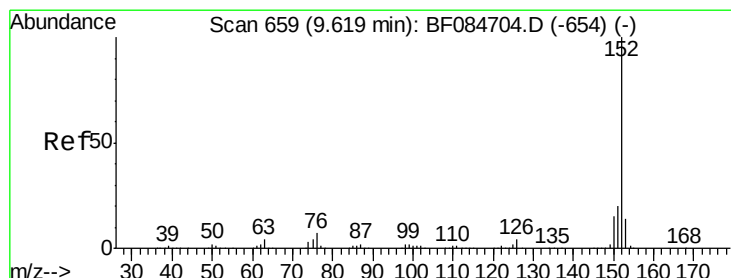
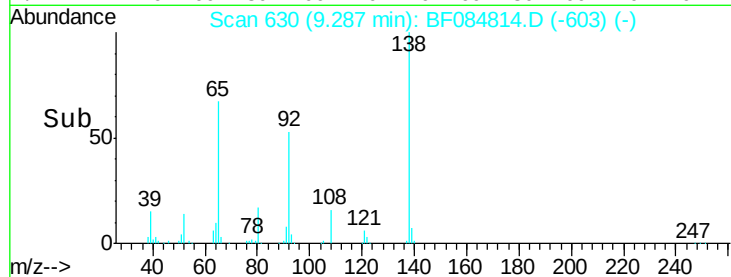
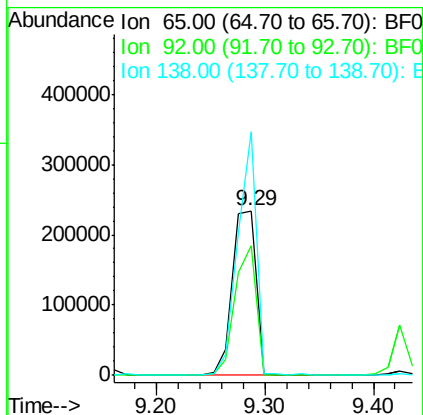
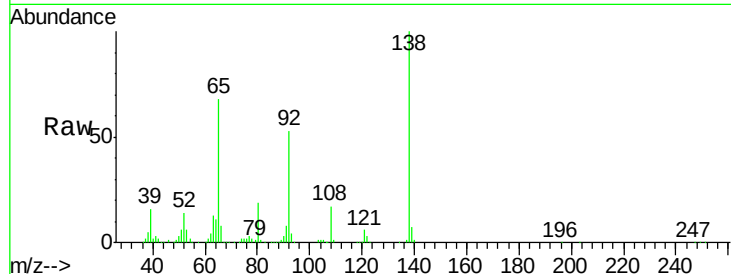
65 100

92 78.8 53.4 80.2

138 147.9 71.1 106.7#

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#48

Acenaphthylene

Concen: 46.91 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.00 min

Lab File: BF084814.D

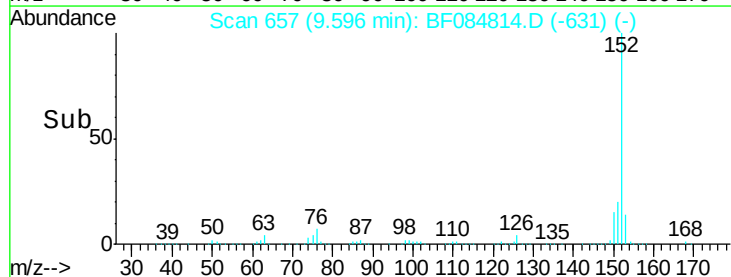
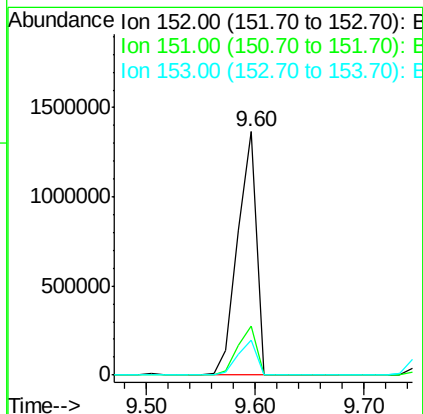
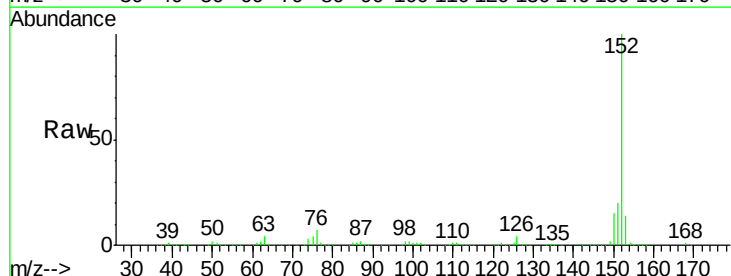
Acq: 4 Feb 2016 5:04

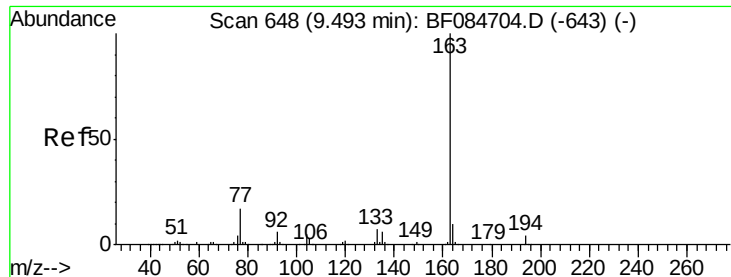
Tgt Ion:152 Resp: 1602745
Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

153 14.3 10.4 15.6





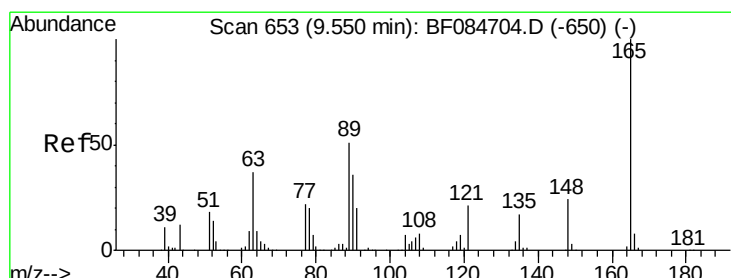
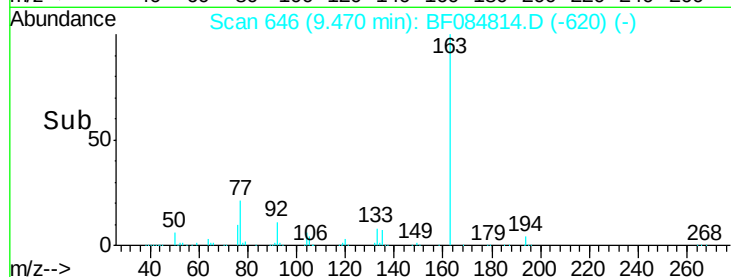
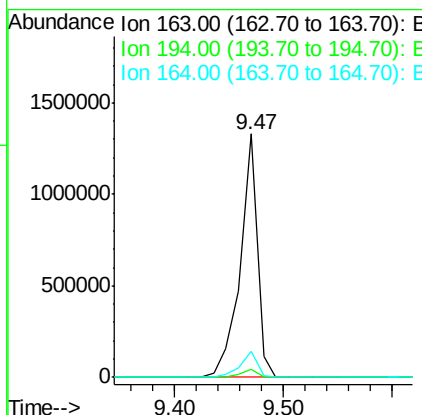
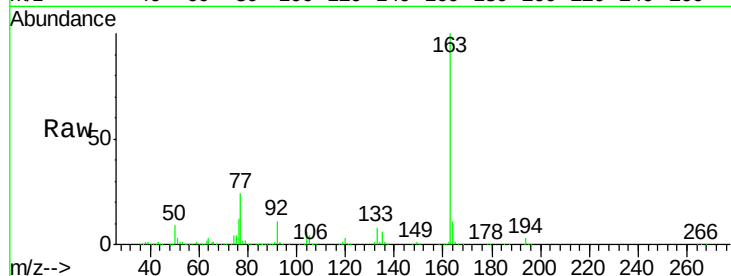
#49
Dimethylphthalate
Concen: 55.24 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MS

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

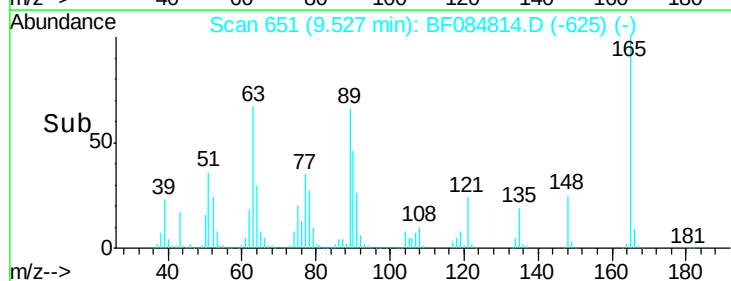
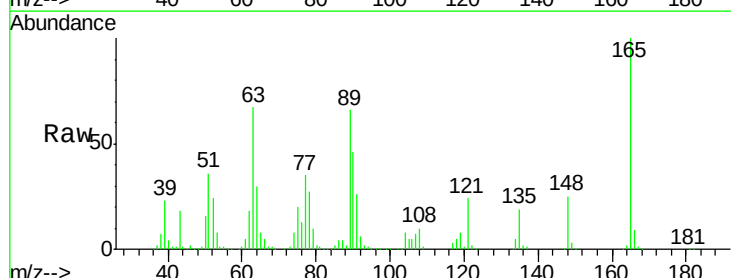
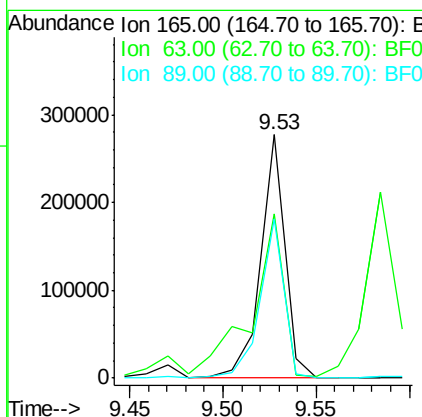
Manual Integrations
APPROVED

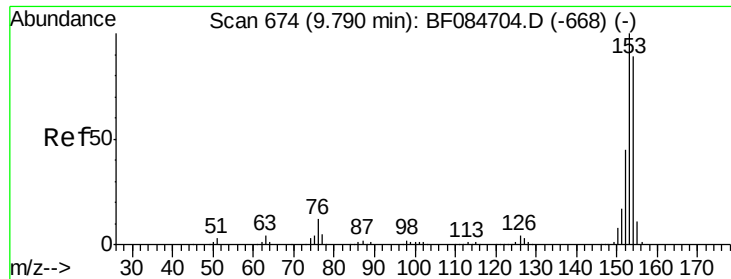
mohammad
2/4/2016 2:05:22 PM



#50
2,6-Dinitrotoluene
Concen: 43.49 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	67.4	28.8	43.2#
89	65.5	35.1	52.7#





#51

Acenaphthene

Concen: 45.44 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:154 Resp: 1010160

Ion Ratio Lower Upper

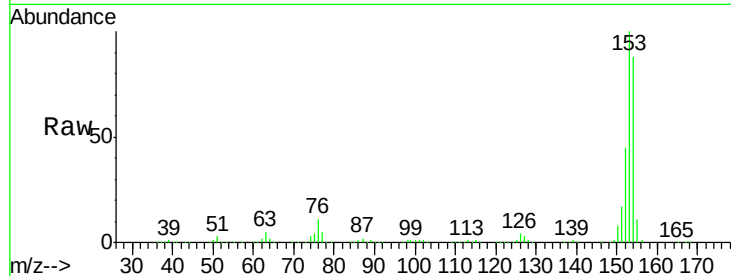
154 100

153 113.0 91.5 137.3

152 51.3 43.0 64.6

Manual Integrations
APPROVED

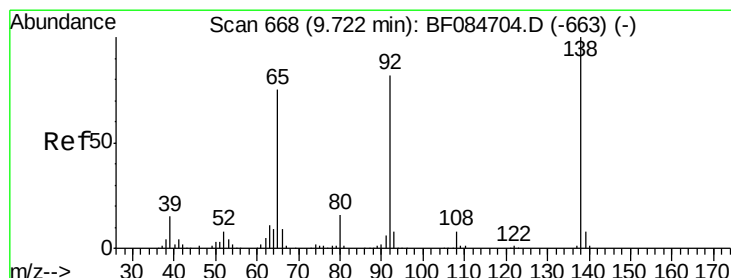
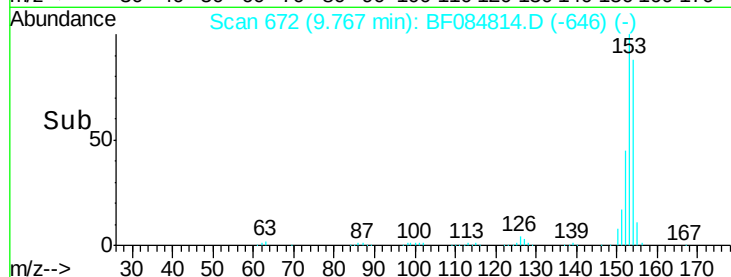
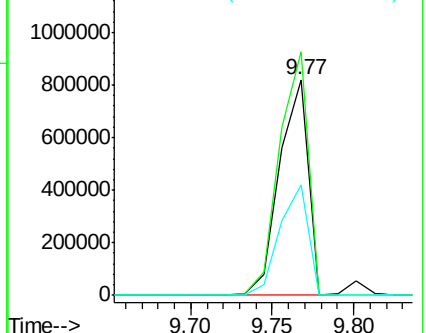
mohammad
2/4/2016 2:05:22 PM



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: 30.81 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

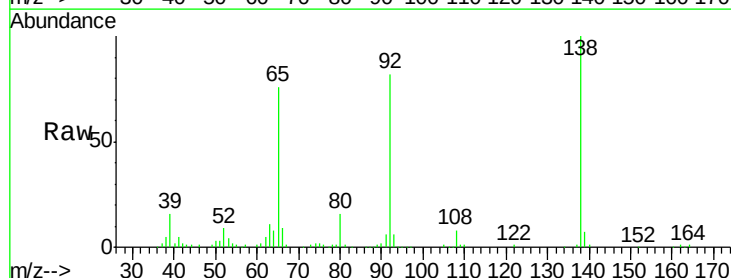
Tgt Ion:138 Resp: 197160

Ion Ratio Lower Upper

138 100

108 8.2 10.5 15.7#

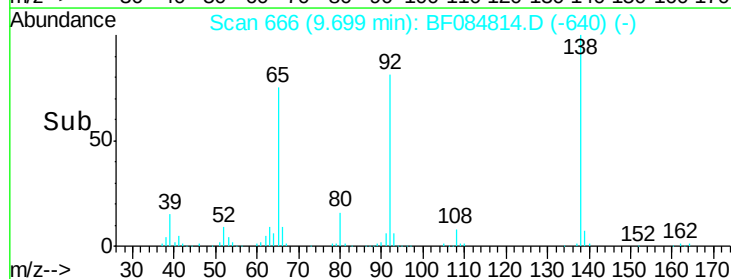
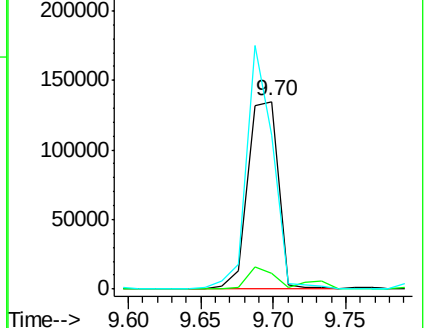
92 82.5 103.9 155.9#

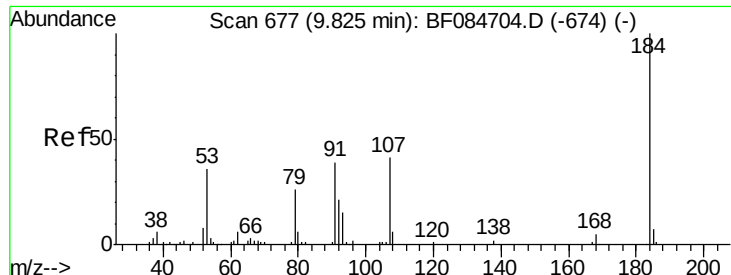


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





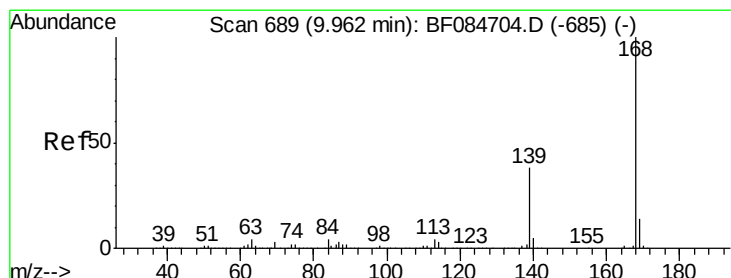
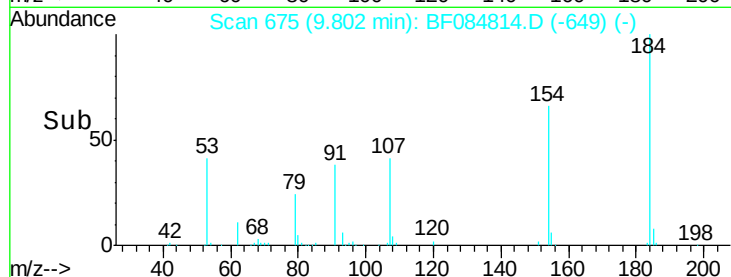
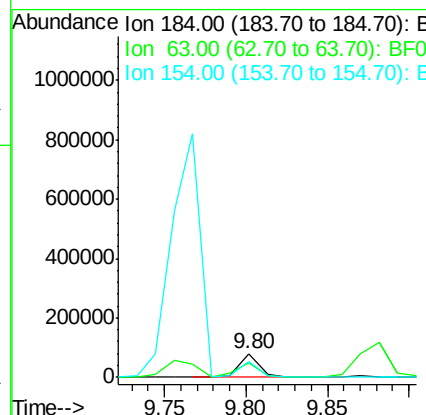
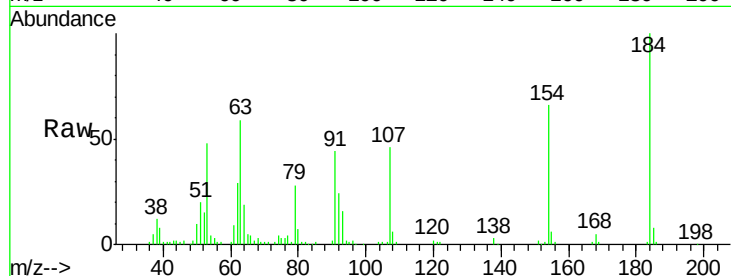
#53
 2,4-Dinitrophenol
 Concen: 31.72 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

Tot Ion	Ratio	Lower	Upper
184	100		
63	58.8	43.1	64.7
154	66.4	60.5	90.7

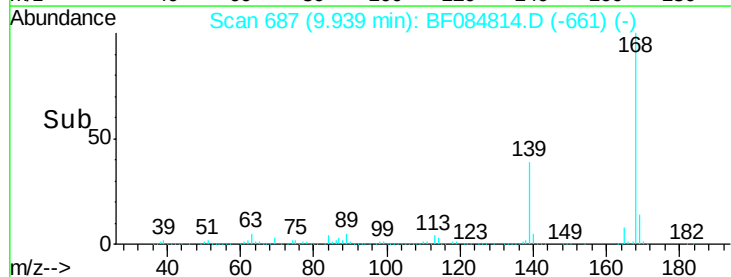
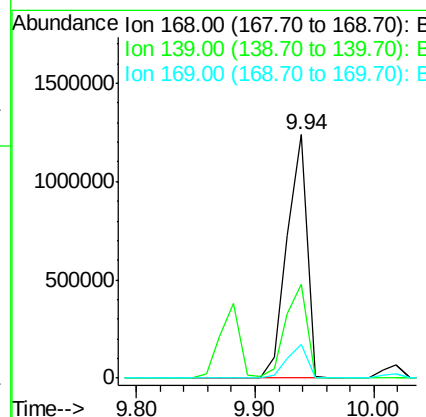
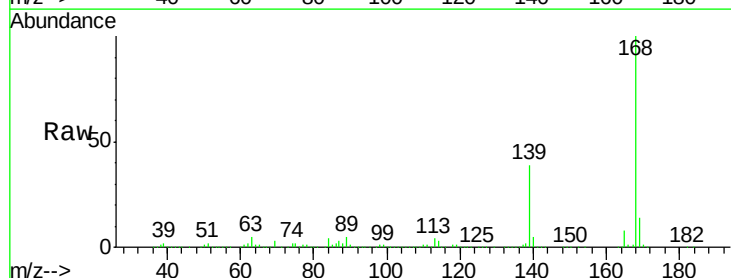
Manual Integrations
 APPROVED

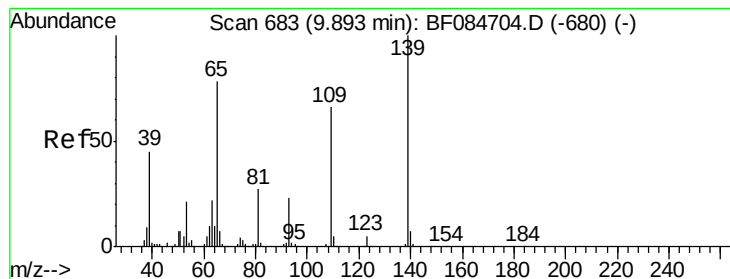
mohammad
 2/4/2016 2:05:22 PM



#54
 Dibenzofuran
 Concen: 52.58 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.5	45.7
169	13.8	10.4	15.6





#55

4-Nitrophenol

Concen: 91.57 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.01 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

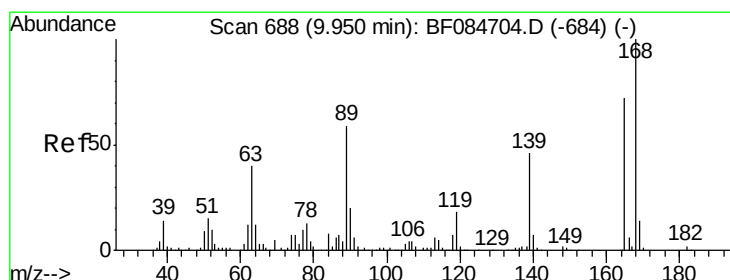
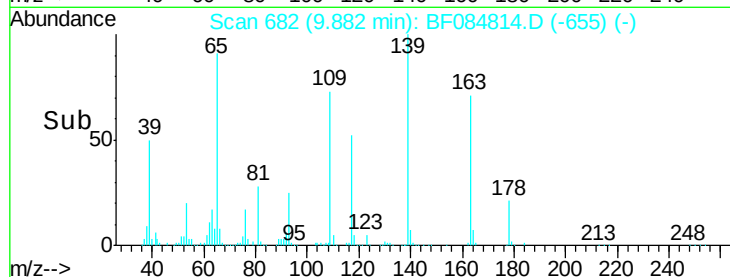
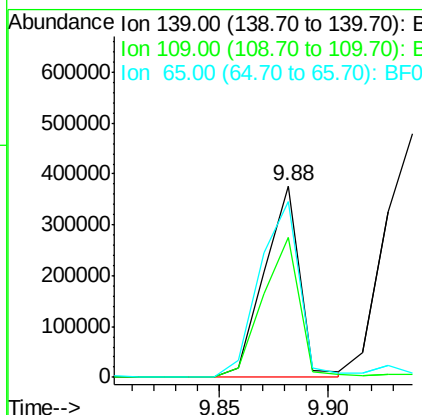
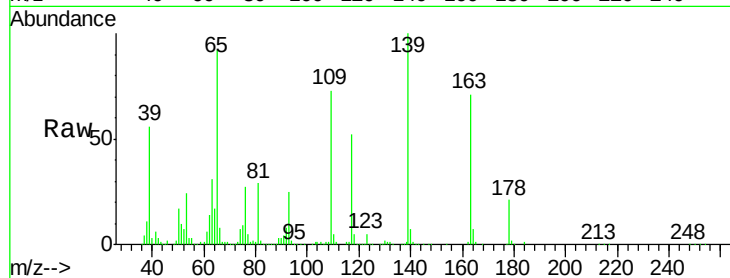
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:	139	Resp:	430693
Ion Ratio	Lower	Upper	
139	100		
109	72.8	58.5	98.5
65	91.8	57.6	97.6

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#56

2,4-Dinitrotoluene

Concen: 41.35 ng

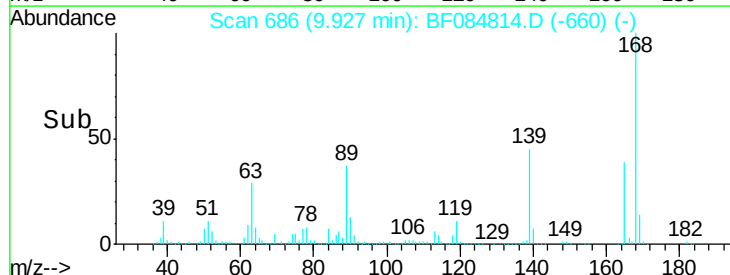
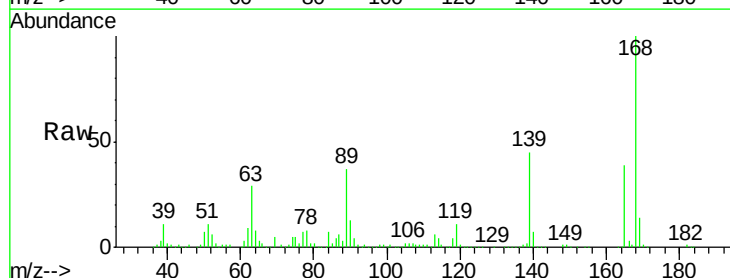
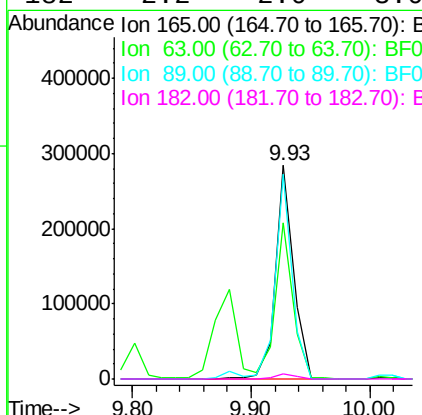
RT: 9.93 min Scan# 686

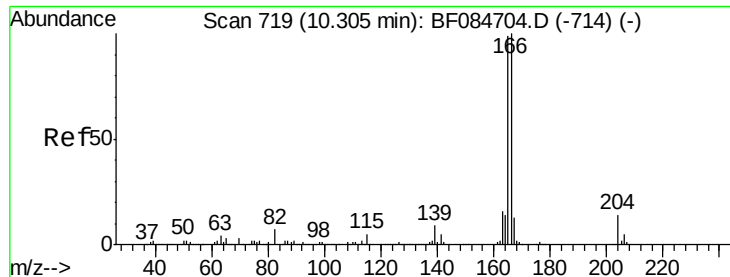
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	165	Resp:	300388
Ion Ratio	Lower	Upper	
165	100		
63	73.2	36.7	55.1#
89	95.9	61.9	92.9#
182	2.2	2.0	3.0





#57

Fluorene

Concen: 46.29 ng

RT: 10.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:166 Resp: 1050093

Ion Ratio Lower Upper

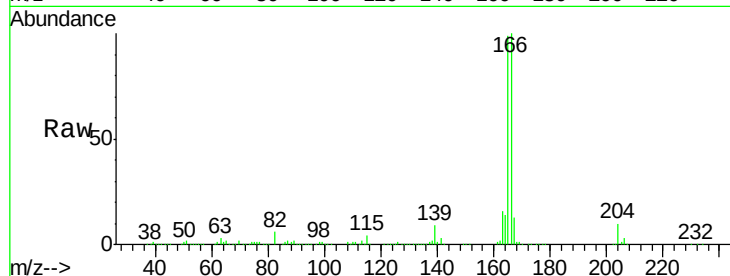
166 100

165 99.0 79.1 118.7

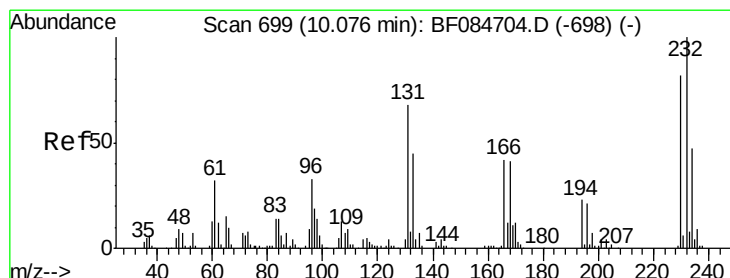
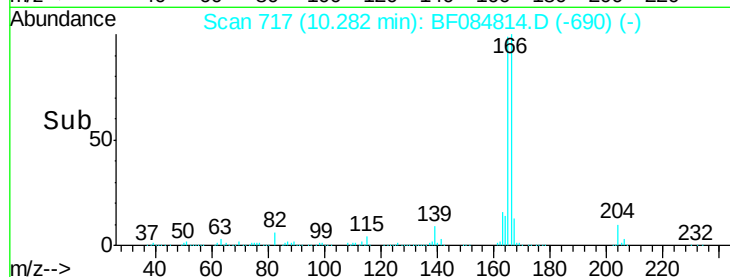
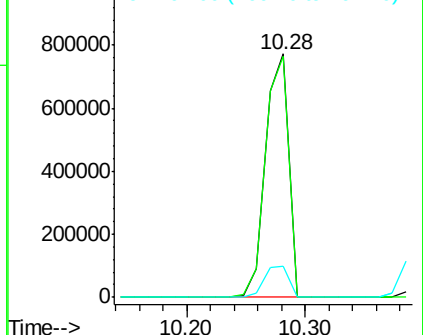
167 13.0 10.4 15.6

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.45 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:232 Resp: 278719

Ion Ratio Lower Upper

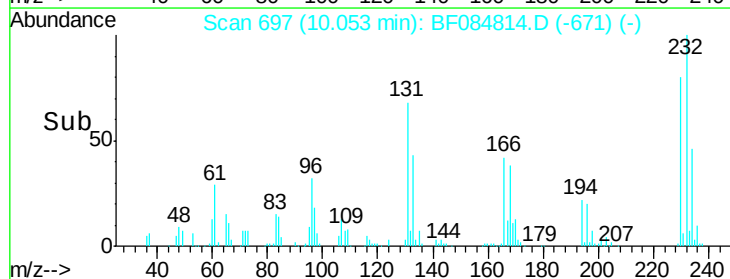
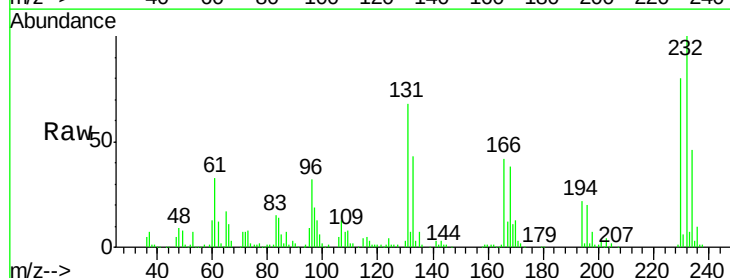
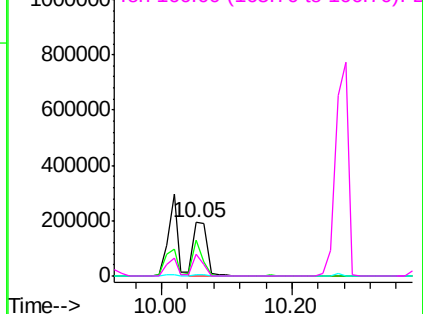
232 100

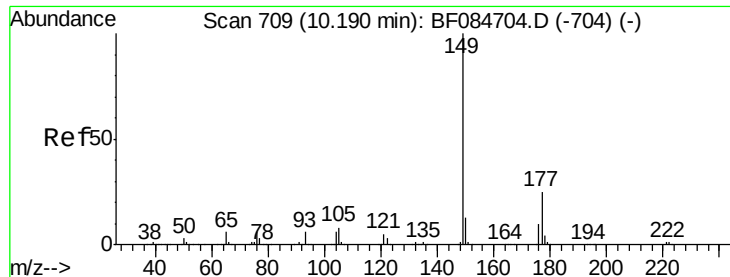
131 48.4 47.0 70.6

130 2.4 2.0 3.0

166 32.0 30.5 45.7

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





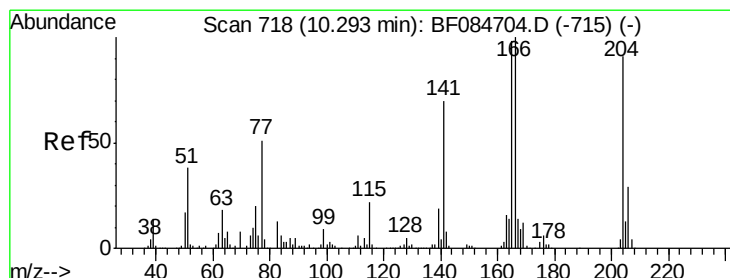
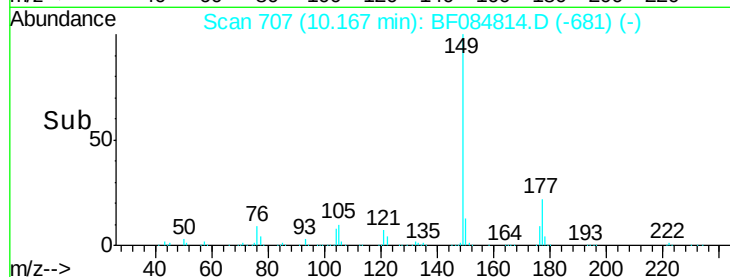
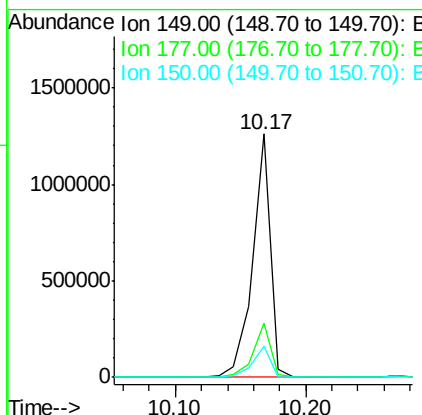
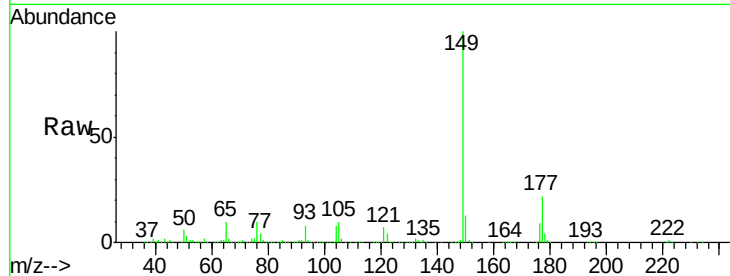
#59
Diethylphthalate
Concen: 46.66 ng
RT: 10.17 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MS

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.3	25.9
150	12.8	9.8	14.8

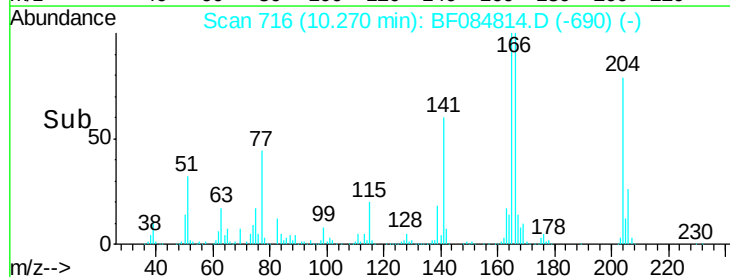
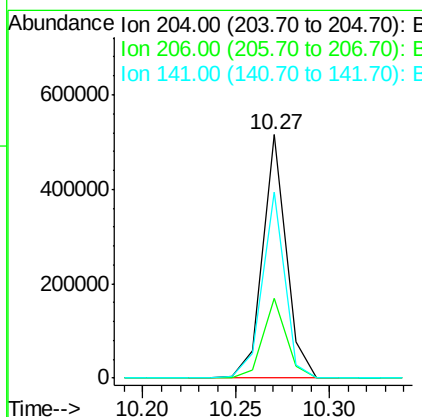
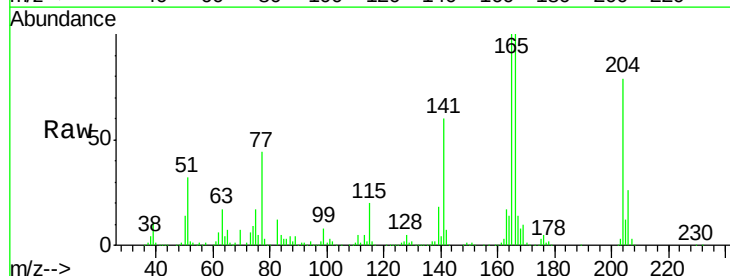
Manual Integrations
APPROVED

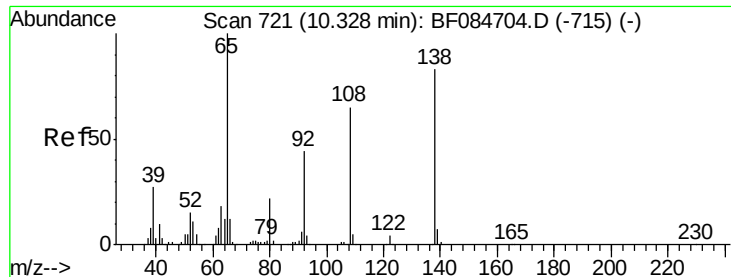
mohammad
2/4/2016 2:05:22 PM



#60
4-Chlorophenyl-phenylether
Concen: 47.38 ng
RT: 10.27 min Scan# 716
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.7	38.5
141	76.6	55.1	82.7





#61

4-Nitroaniline

Concen: 44.91 ng

RT: 10.32 min Scan# 720

Delta R.T. 0.01 min

Lab File: BF084814.D

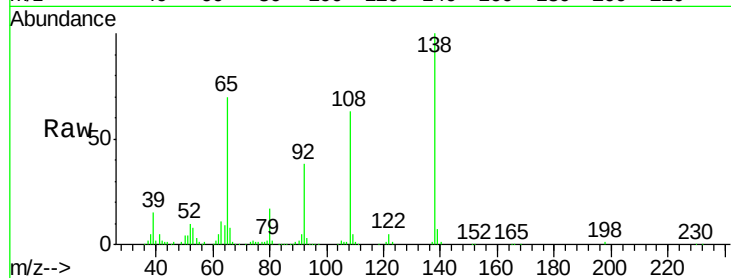
Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

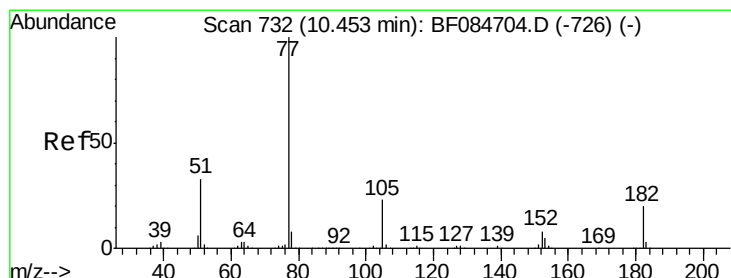
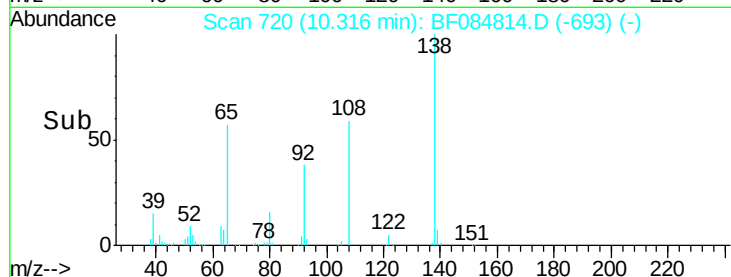
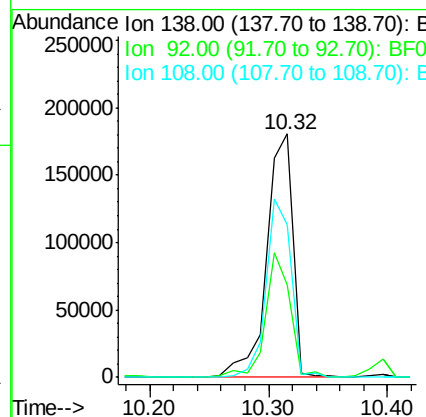
SUP-B005(34-36)MS



Tot Ion:	138	Resp:	280085
Ion Ratio	Lower	Upper	
138	100		
92	37.8	32.6	72.6
108	62.7	68.6	108.6#

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#62

Azobenzene

Concen: 50.56 ng

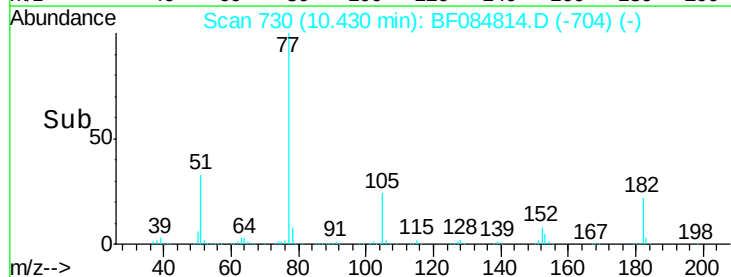
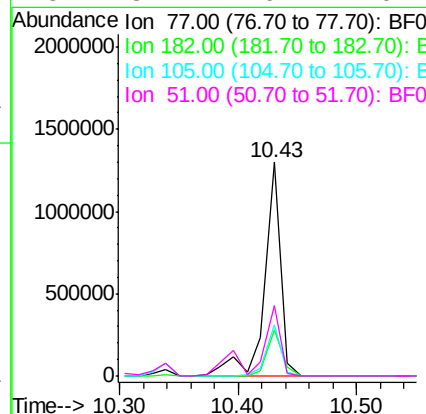
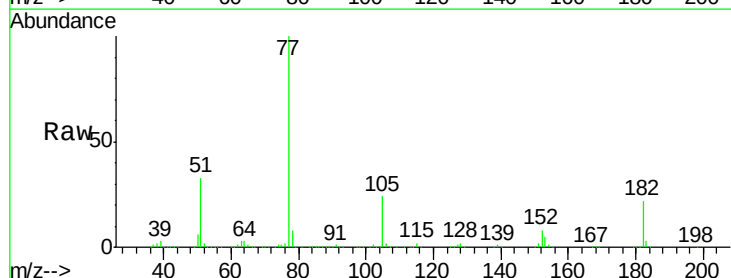
RT: 10.43 min Scan# 730

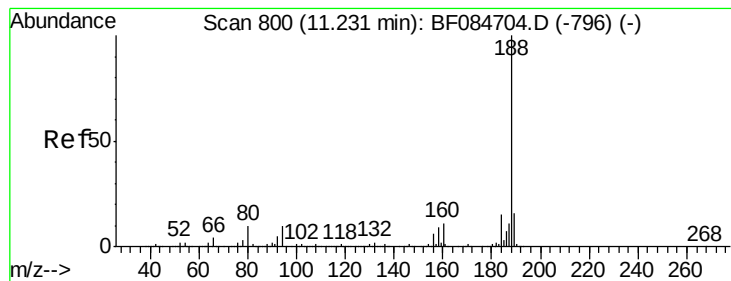
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	77	Resp:	1237641
Ion Ratio	Lower	Upper	
77	100		
182	21.8	8.3	48.3
105	24.0	4.6	44.6
51	32.7	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

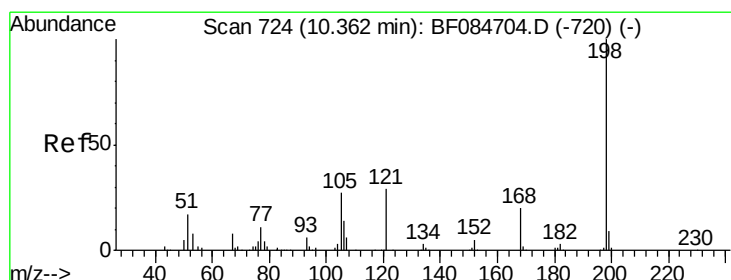
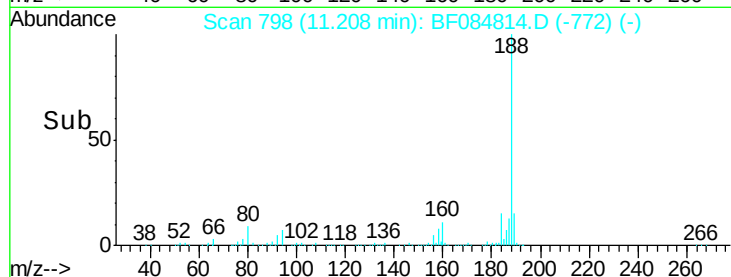
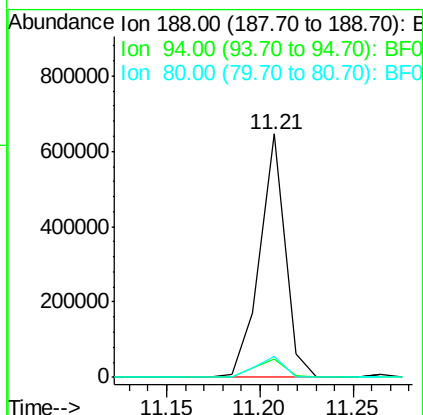
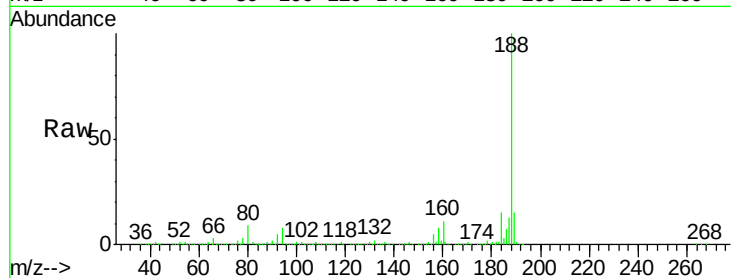
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:188	Resp: 609140
Ion Ratio	Lower Upper
188 100	
94 7.7	9.0 13.4#
80 8.8	9.6 14.4#

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 39.56 ng

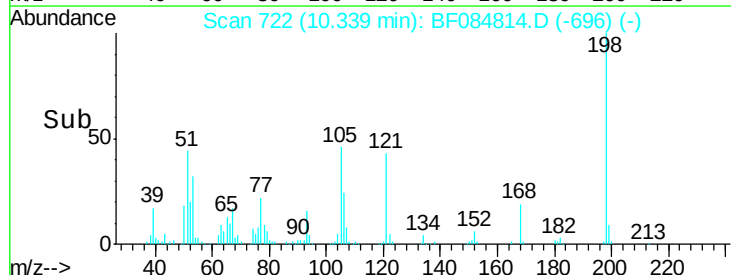
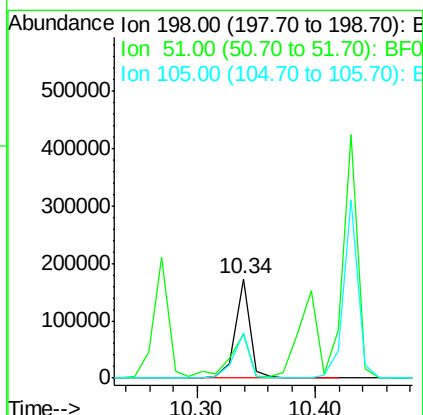
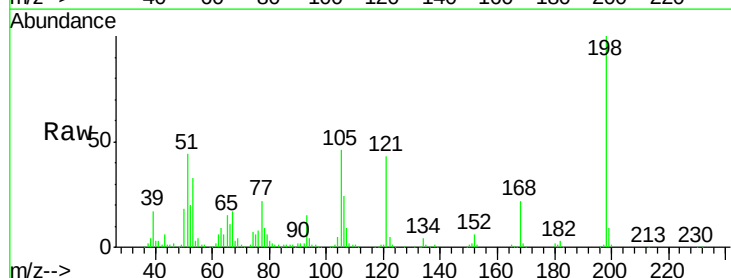
RT: 10.34 min Scan# 722

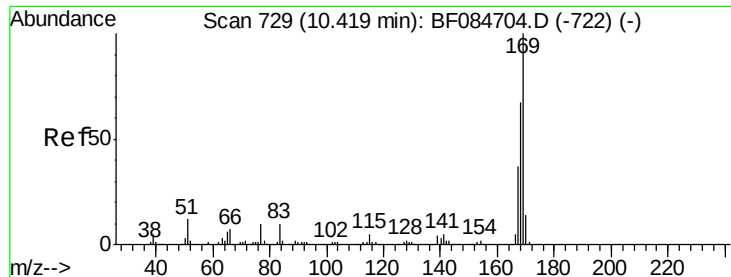
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:198	Resp: 148743
Ion Ratio	Lower Upper
198 100	
51 44.2	18.9 58.9
105 45.9	26.4 66.4





#65

n-Nitrosodiphenylamine

Concen: 49.61 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

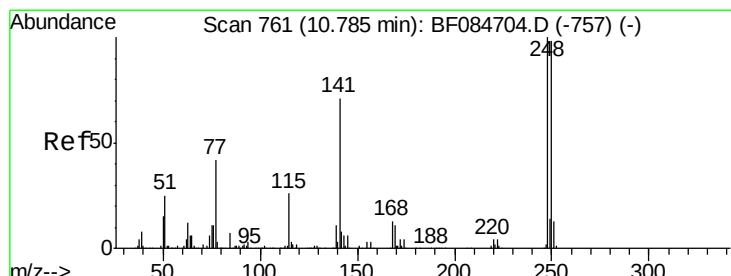
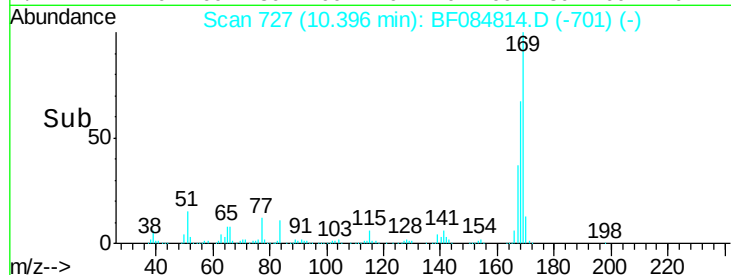
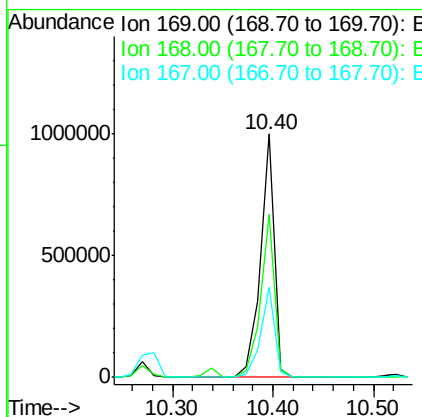
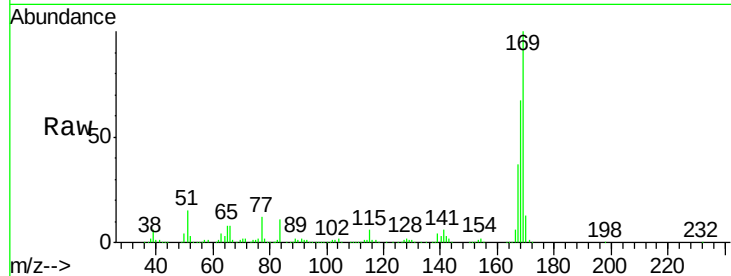
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:	169	Resp:	959486
Ion Ratio	Lower	Upper	
169	100		
168	67.0	55.1	82.7
167	37.1	30.0	45.0

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#66

4-Bromophenyl-phenylether

Concen: 50.86 ng

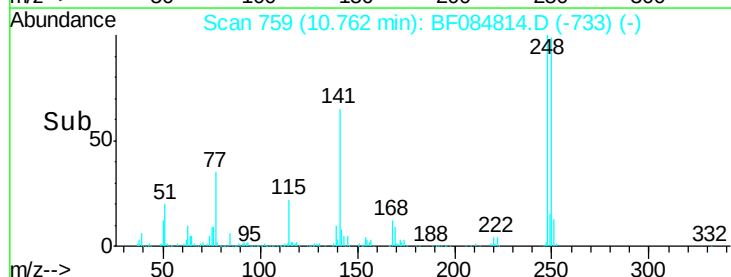
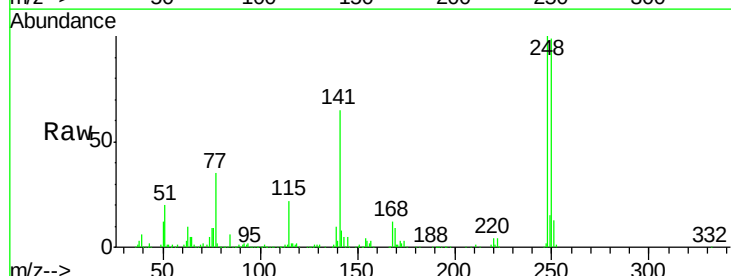
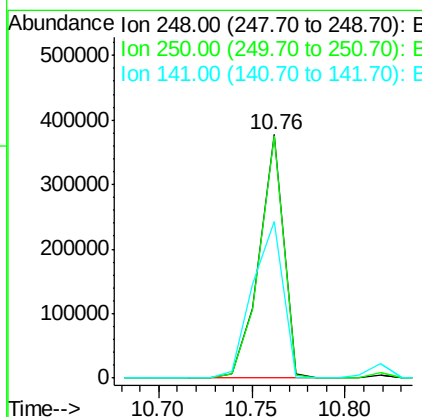
RT: 10.76 min Scan# 759

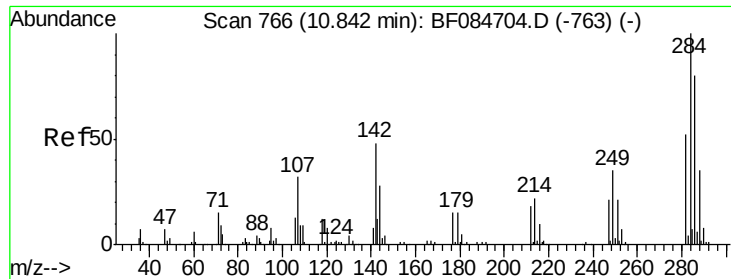
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	248	Resp:	342158
Ion Ratio	Lower	Upper	
248	100		
250	99.5	78.4	117.6
141	64.6	44.0	66.0





#67

Hexachlorobenzene

Concen: 43.09 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

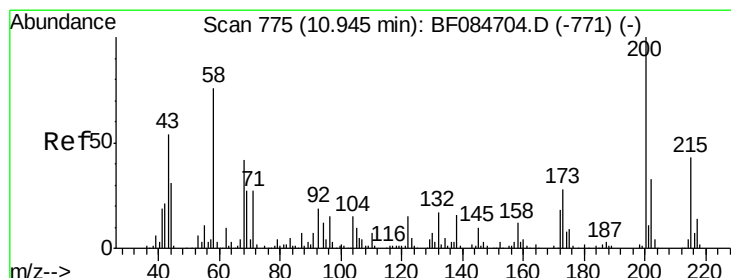
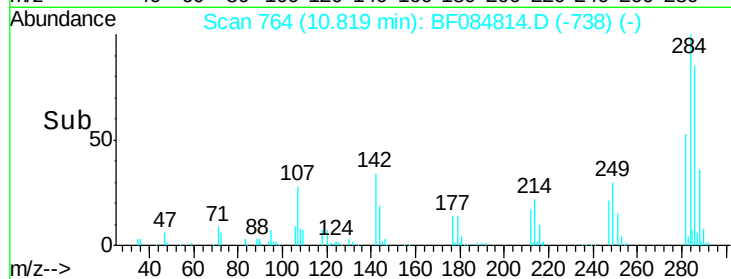
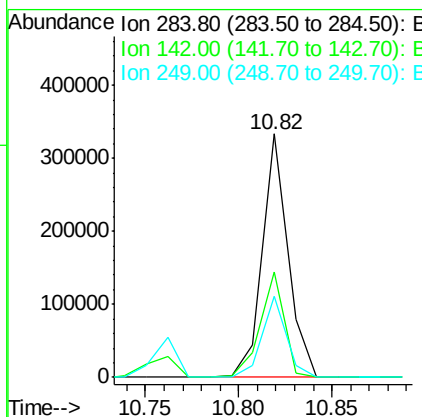
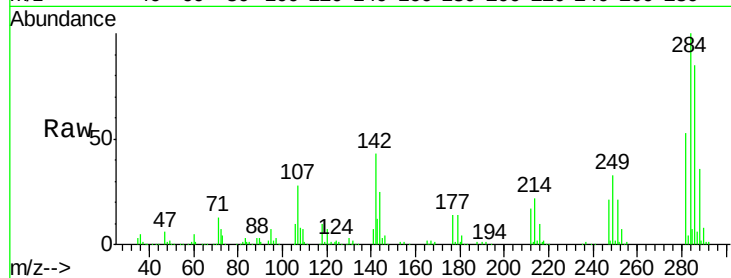
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:	284	Resp:	315888
Ion Ratio	Lower	Upper	
284	100		
142	43.1	22.2	33.4#
249	33.1	24.6	37.0

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#68

Atrazine

Concen: 54.18 ng

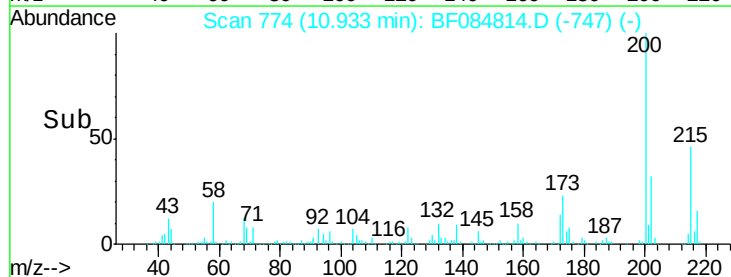
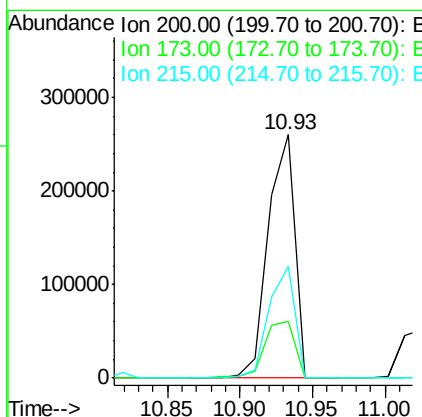
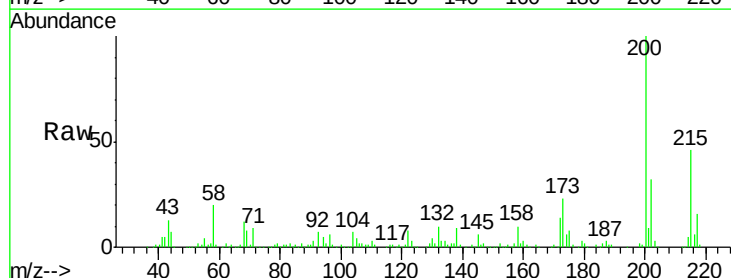
RT: 10.93 min Scan# 774

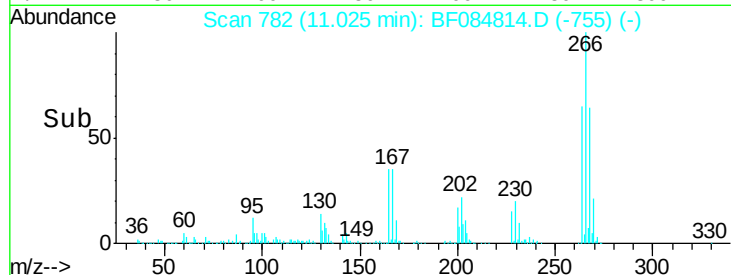
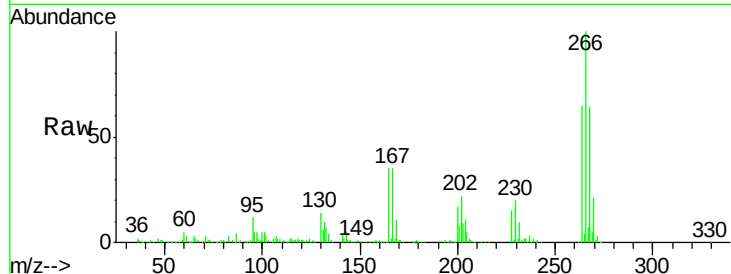
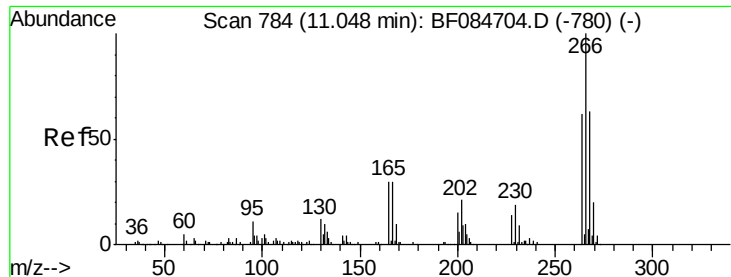
Delta R.T. 0.01 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	200	Resp:	330938
Ion Ratio	Lower	Upper	
200	100		
173	23.3	9.5	49.5
215	45.8	23.8	63.8





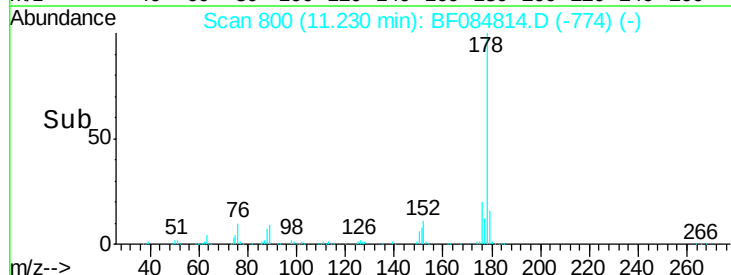
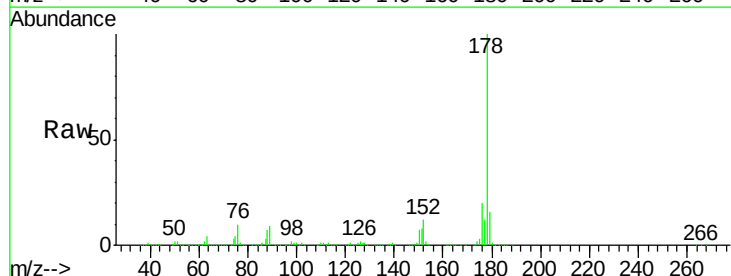
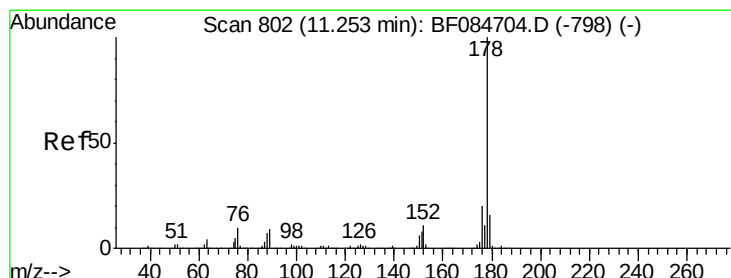
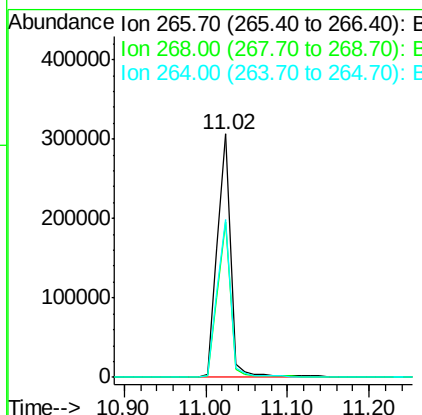
#69
 Pentachlorophenol
 Concen: 103.20 ng
 RT: 11.02 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tot Ion	Ratio	Resp	Lower	Upper
266	100	355538		
268	64.0		52.4	78.6
264	64.6		50.2	75.2

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

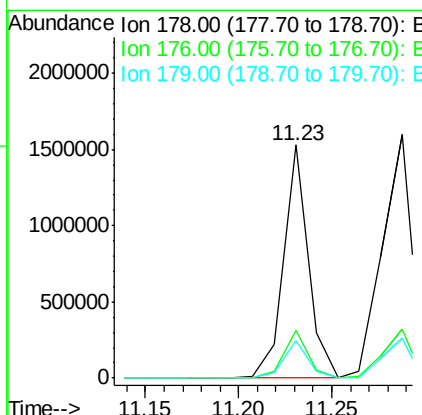
Manual Integrations
 APPROVED

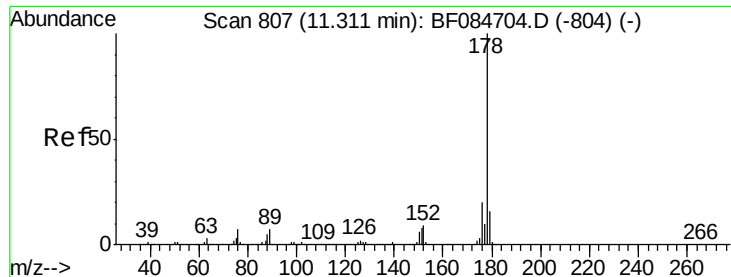
mohammad
 2/4/2016 2:05:22 PM



#70
 Phenanthrene
 Concen: 41.95 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1417277		
176	20.3		15.3	22.9
179	16.2		12.0	18.0





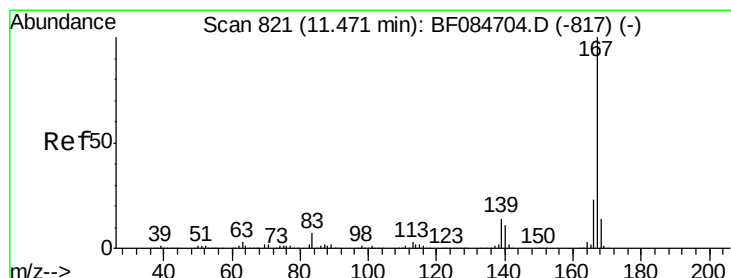
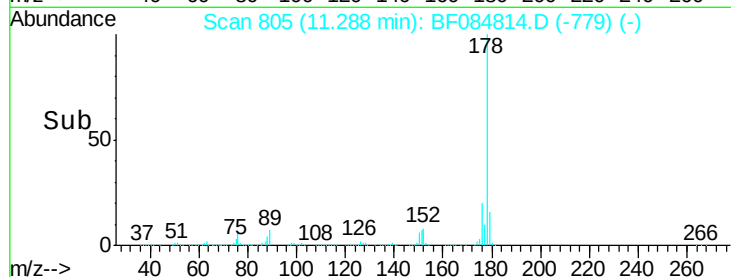
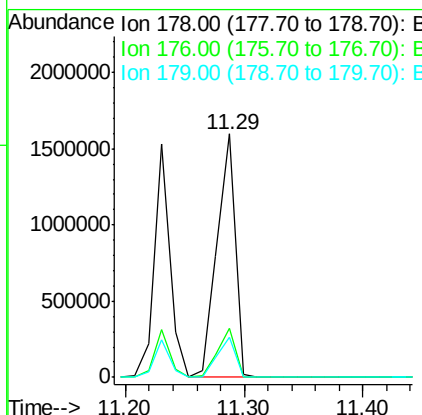
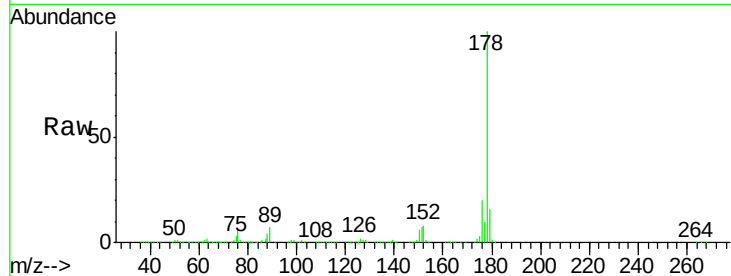
#71
 Anthracene
 Concen: 49.54 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

Tot Ion:178 Resp: 1686450
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.4 23.0
 179 16.3 12.5 18.7

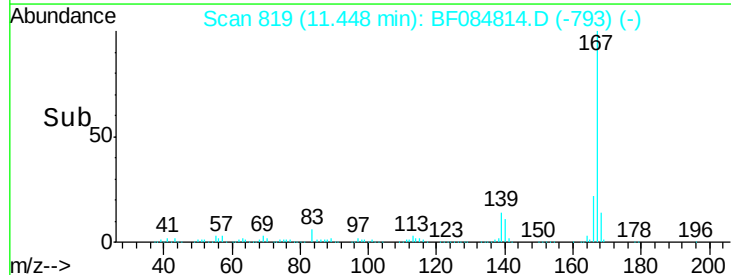
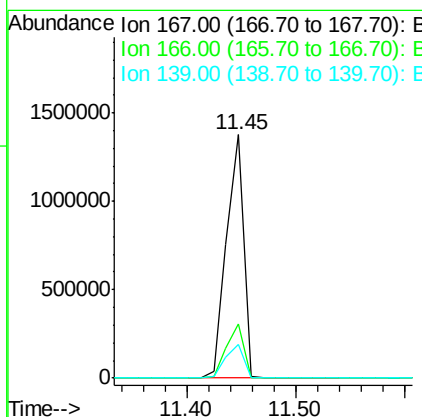
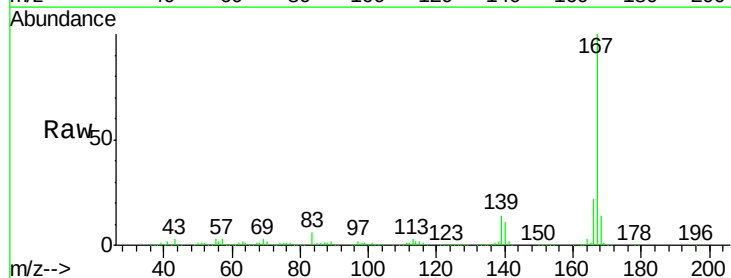
Manual Integrations
 APPROVED

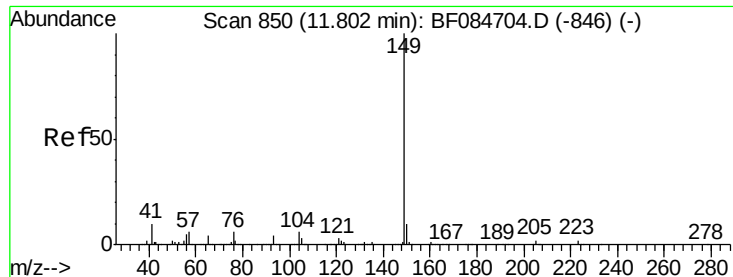
mohammad
 2/4/2016 2:05:22 PM



#72
 Carbazole
 Concen: 50.83 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tgt Ion:167 Resp: 1509033
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 13.6 11.8 17.8





#73

Di-n-butylphthalate

Concen: 41.38 ng

RT: 11.78 min Scan# 848

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:149 Resp: 1563943

Ion Ratio Lower Upper

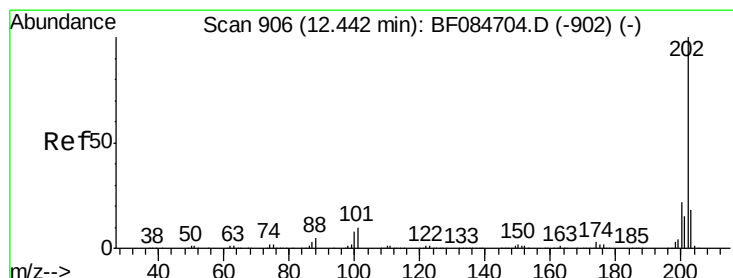
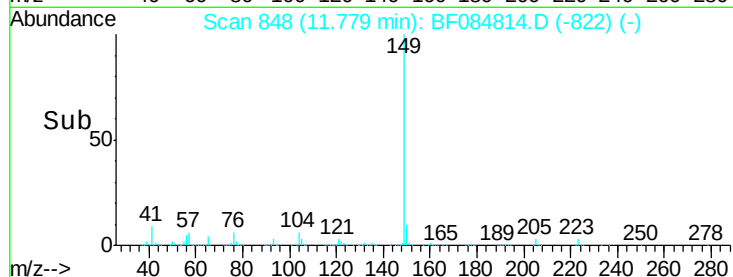
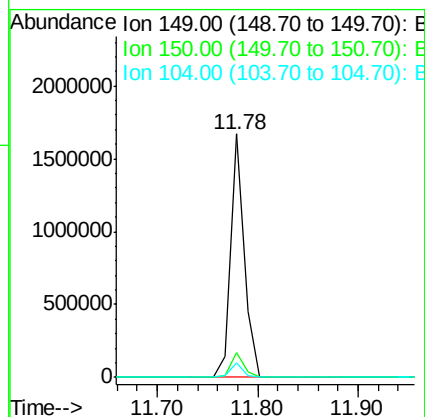
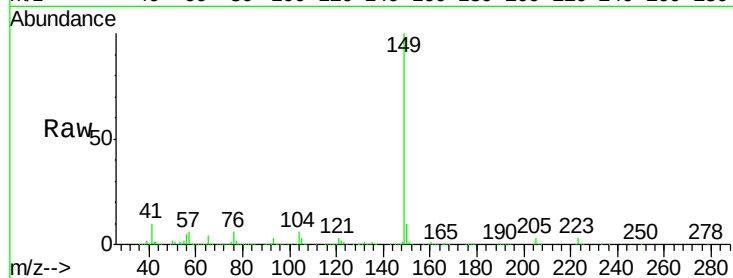
149 100

150 10.3 7.1 10.7

104 6.0 3.2 4.8#

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#74

Fluoranthene

Concen: 47.19 ng

RT: 12.42 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

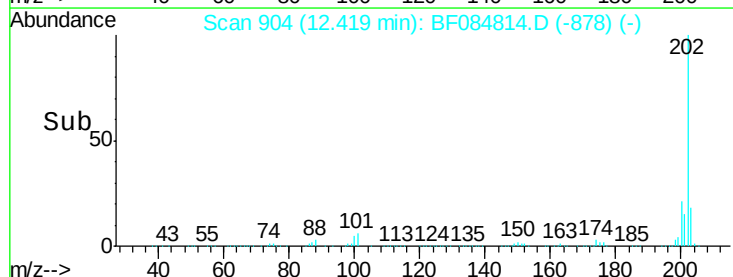
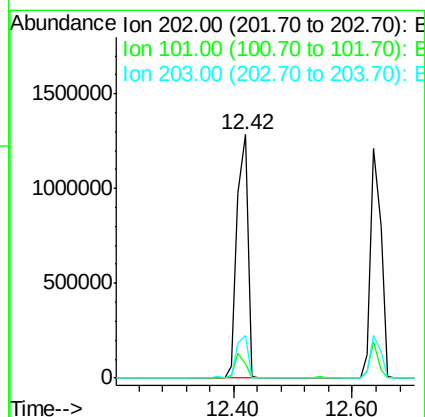
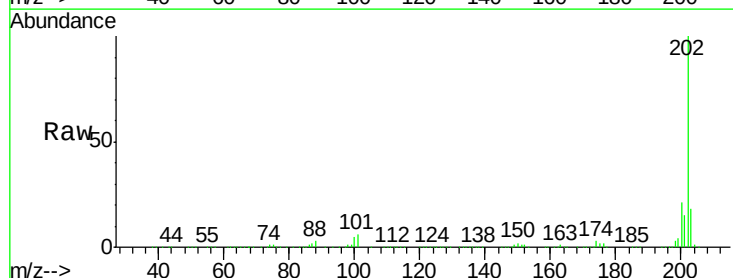
Tgt Ion:202 Resp: 1613783

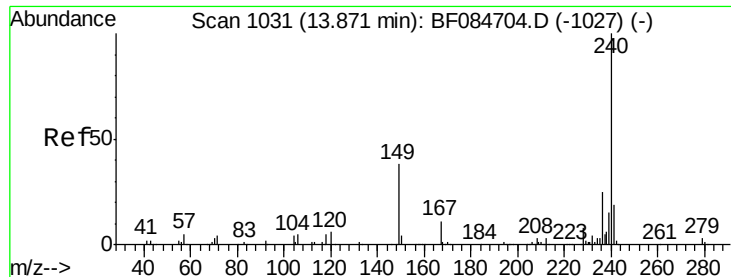
Ion Ratio Lower Upper

202 100

101 6.0 0.0 32.8

203 17.5 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

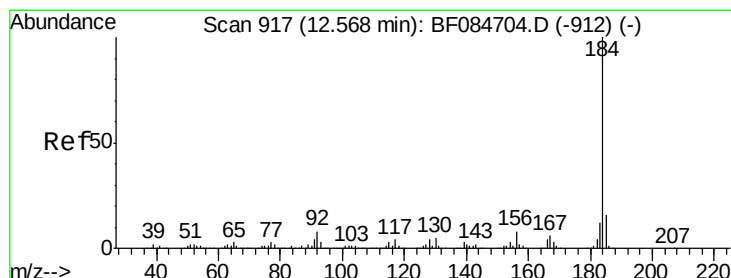
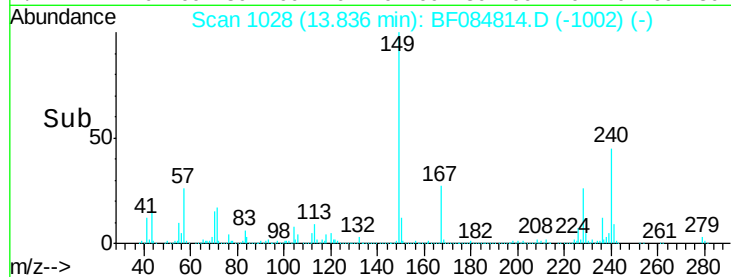
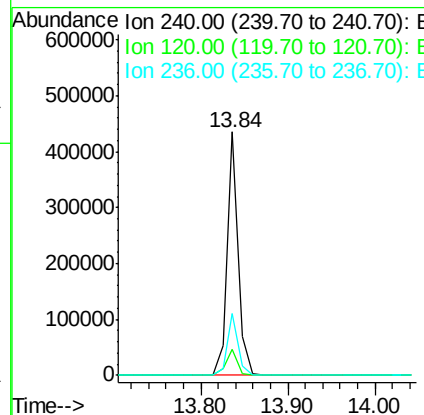
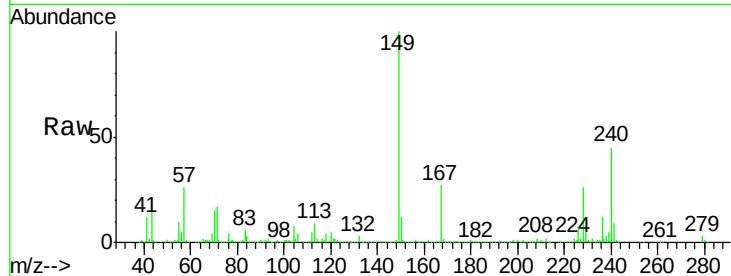
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:	240	Resp:	390418
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	25.4	20.6	31.0

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#76

Benzidine

Concen: 62.67 ng

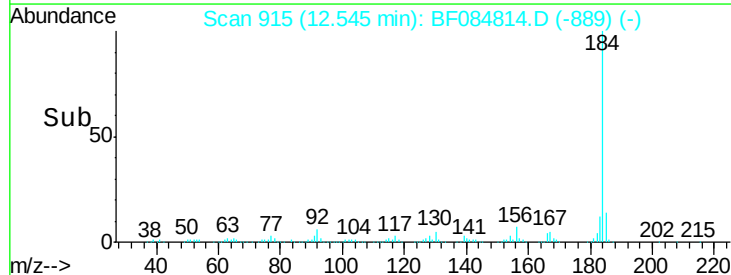
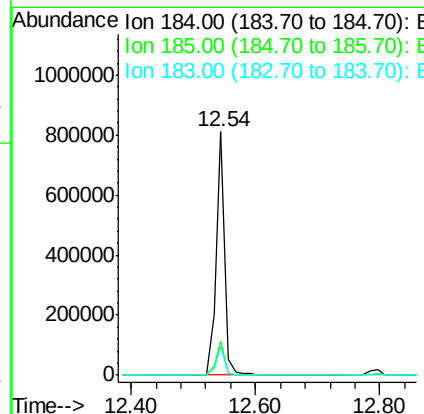
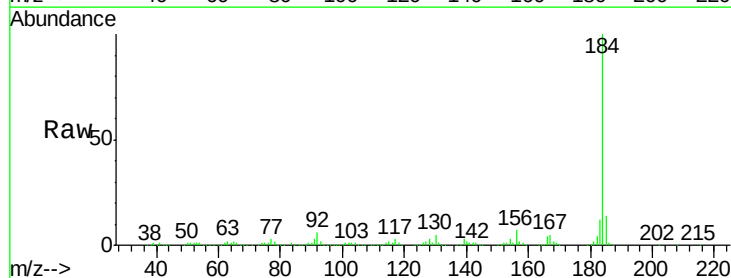
RT: 12.54 min Scan# 915

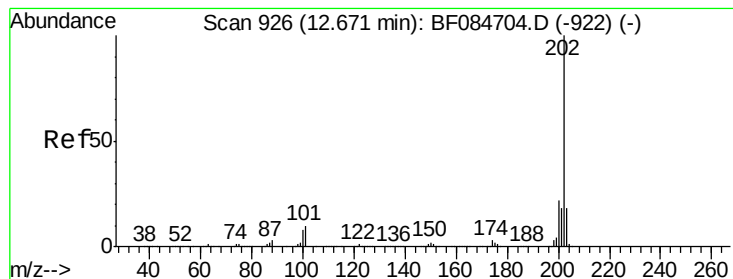
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	184	Resp:	761052
Ion Ratio	Lower	Upper	
184	100		
185	14.0	12.2	18.2
183	11.6	9.8	14.8





#77

Pvrene

Concen: 49.25 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:202 Resp: 1472221

Ion Ratio Lower Upper

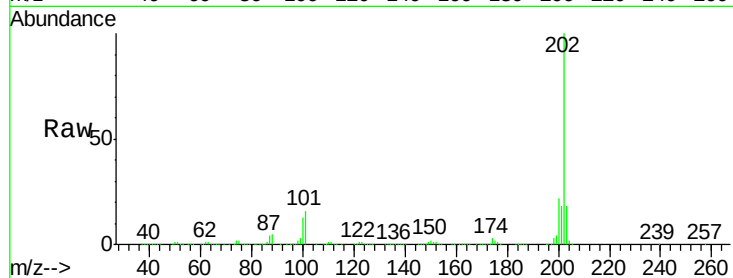
202 100

200 22.4 17.2 25.8

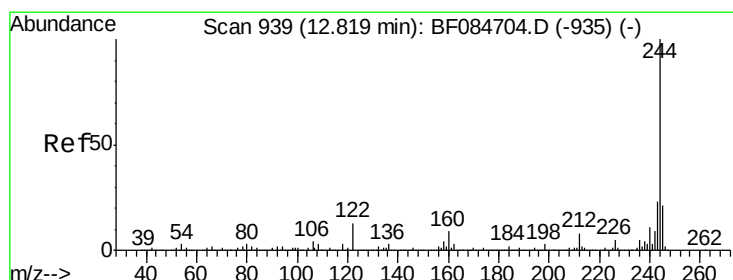
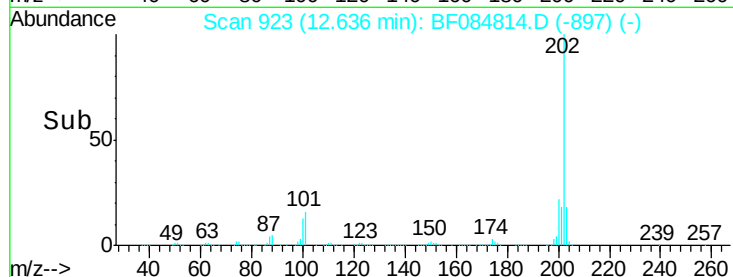
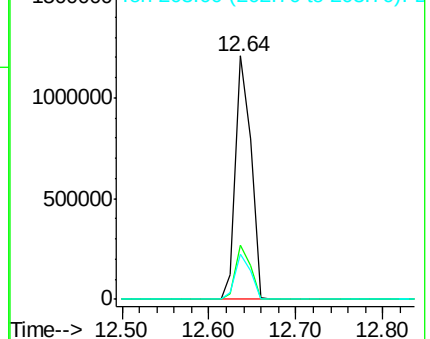
203 18.4 14.3 21.5

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



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



#78

Terphenyl-d14

Concen: 95.81 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

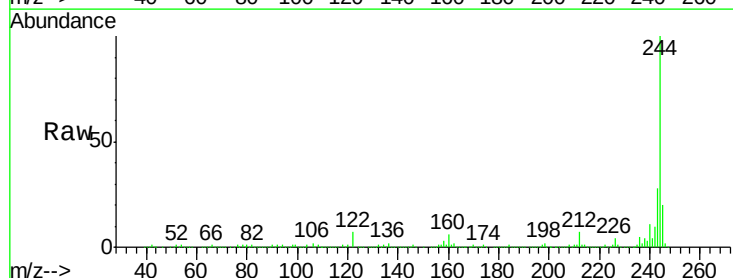
Tgt Ion:244 Resp: 1650780

Ion Ratio Lower Upper

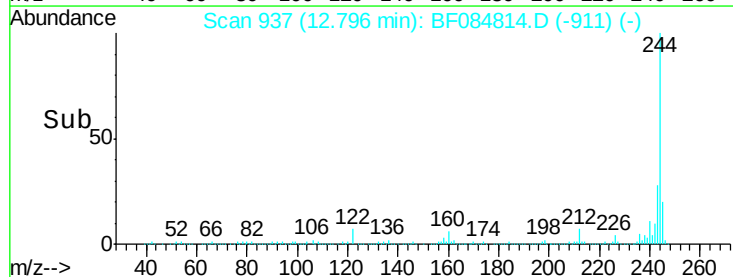
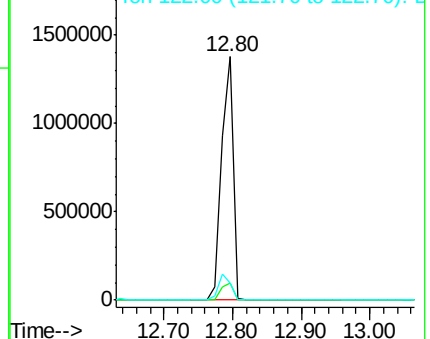
244 100

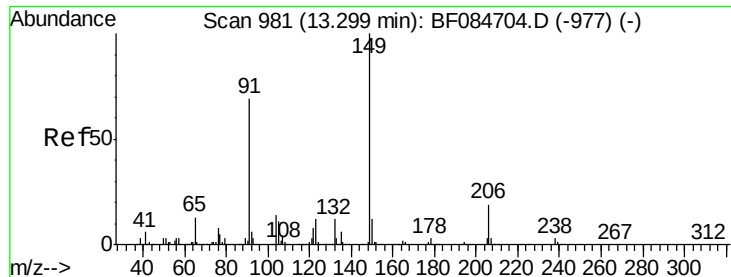
212 7.1 5.7 8.5

122 7.1 7.4 11.0#



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





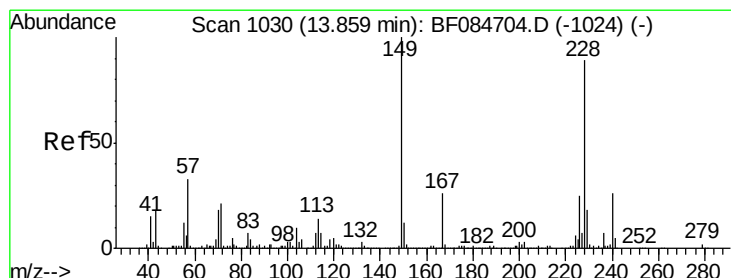
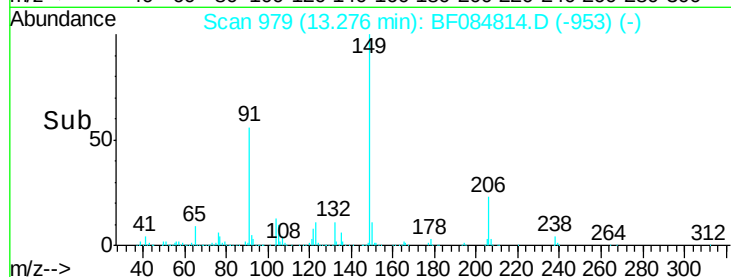
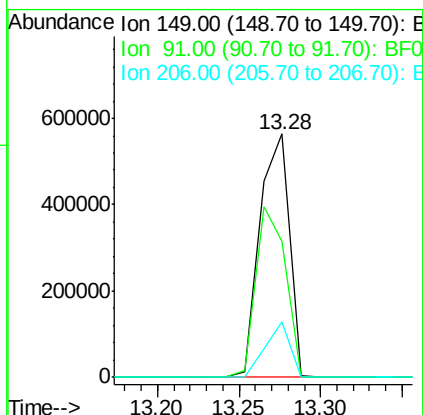
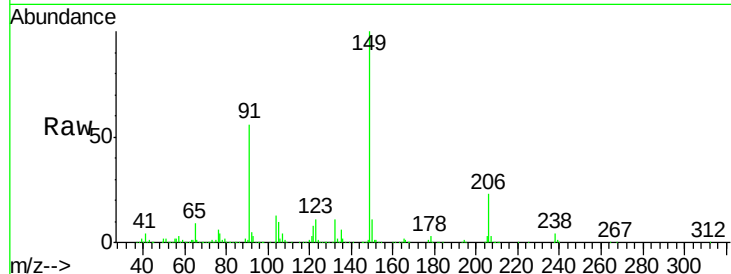
#79
Butylbenzylphthalate
Concen: 52.49 ng
RT: 13.28 min Scan# 979
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	711812		
91	56.1	57.6	86.4#	
206	22.8	13.2	19.8#	

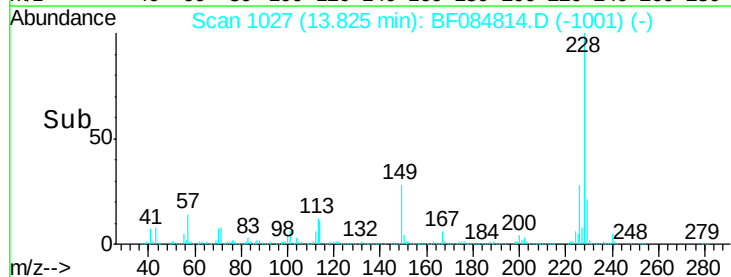
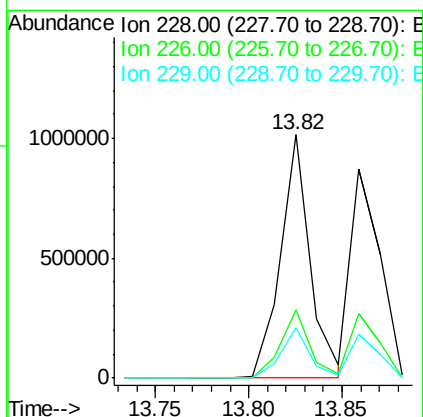
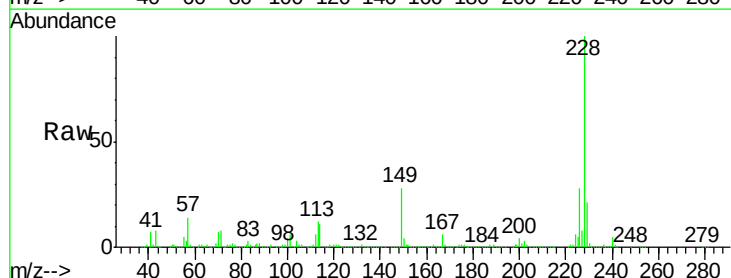
Manual Integrations
APPROVED

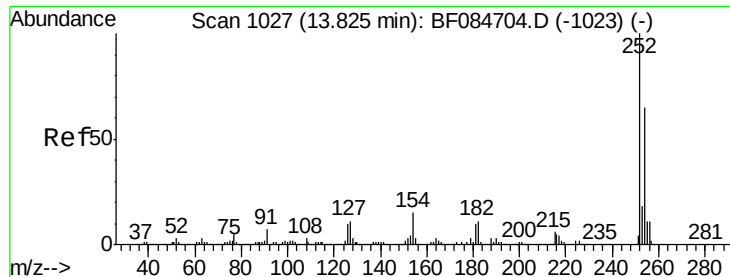
mohammad
2/4/2016 2:05:22 PM



#80
Benzo(a)anthracene
Concen: 46.21 ng
RT: 13.82 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1119811		
226	27.9	21.8	32.6	
229	20.5	15.8	23.8	





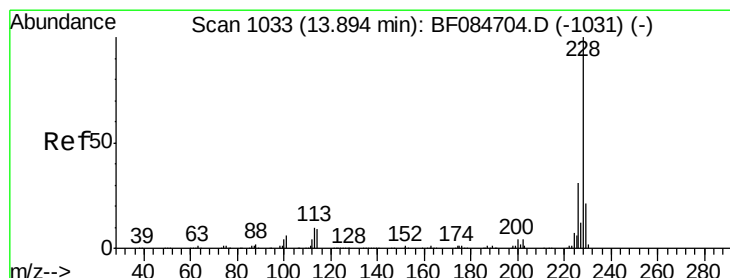
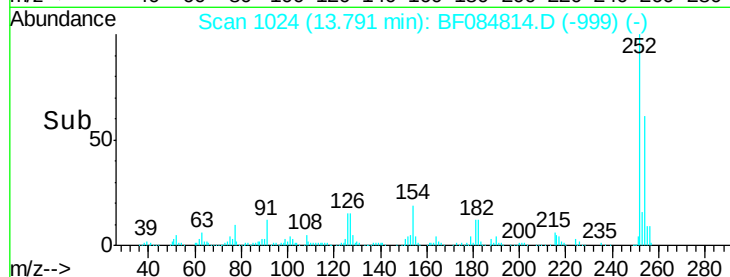
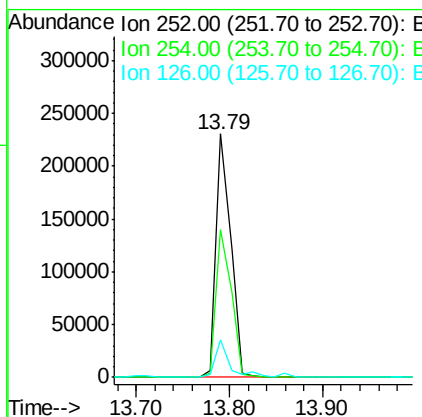
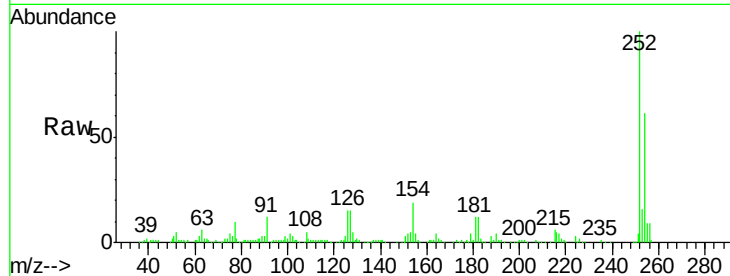
#81
 3,3'-Dichlorobenzidine
 Concen: 29.41 ng
 RT: 13.79 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	60.6	53.5	80.3
126	15.5	4.9	7.3

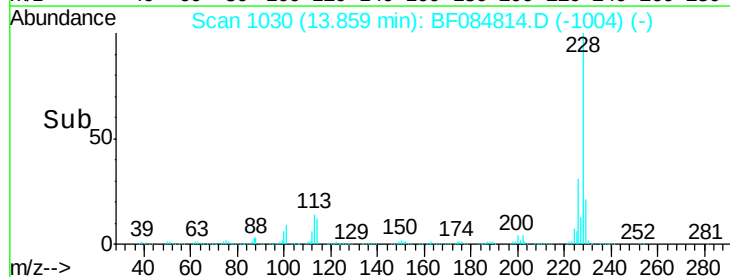
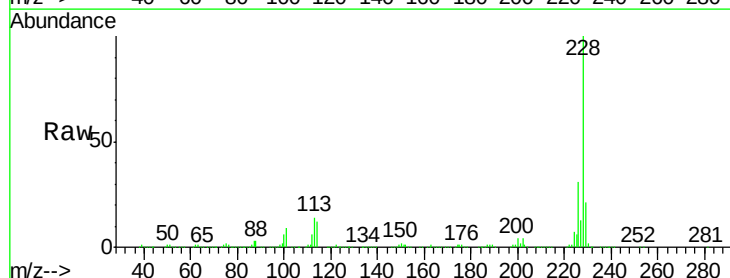
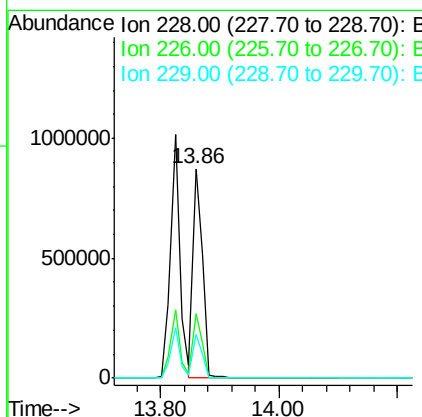
Manual Integrations
 APPROVED

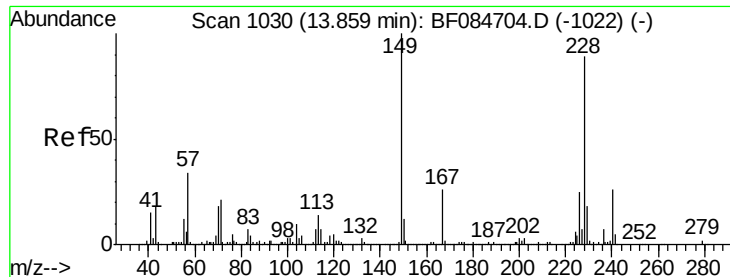
mohammad
 2/4/2016 2:05:22 PM



#82
 Chrysene
 Concen: 41.85 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.0	24.3	36.5
229	20.9	16.1	24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 52.76 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

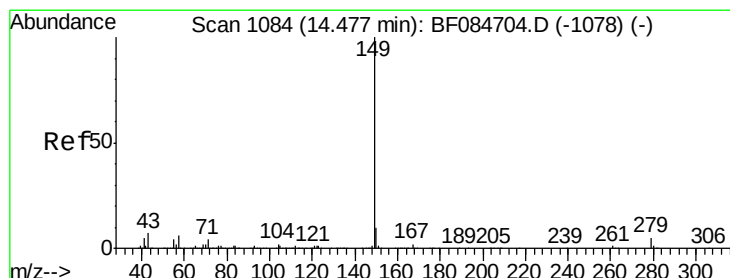
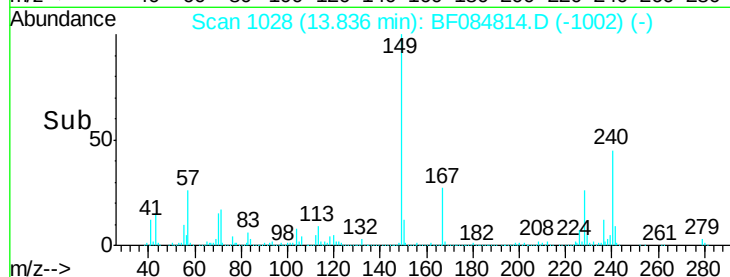
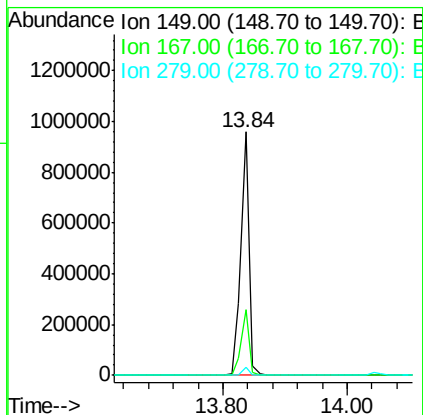
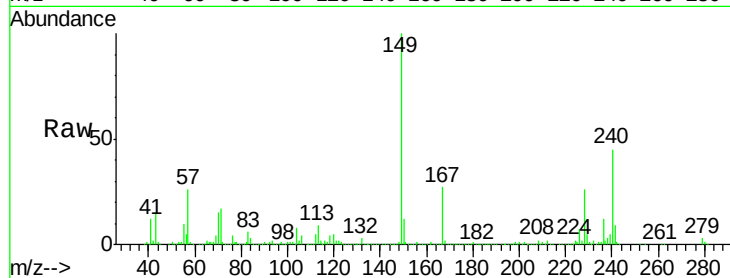
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion:	149	Resp:	890236
Ion Ratio		Lower	Upper
149	100		
167	26.8	19.7	29.5
279	3.3	1.8	2.6#

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#84

Di-n-octyl phthalate

Concen: 48.10 ng

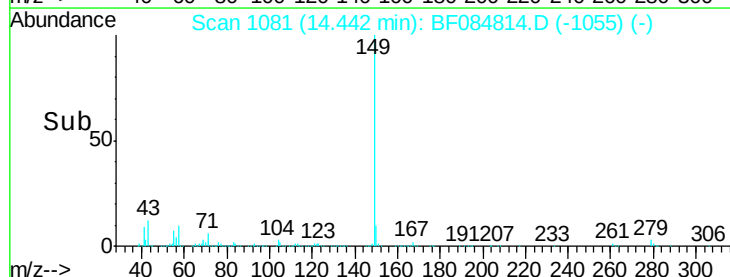
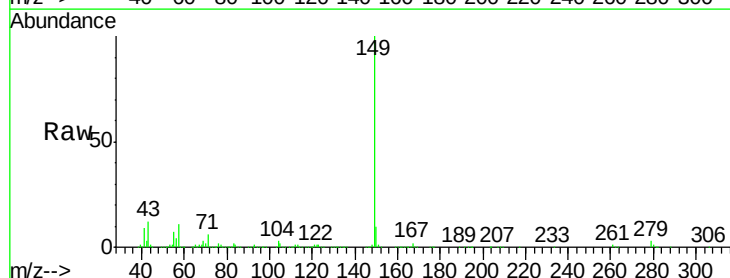
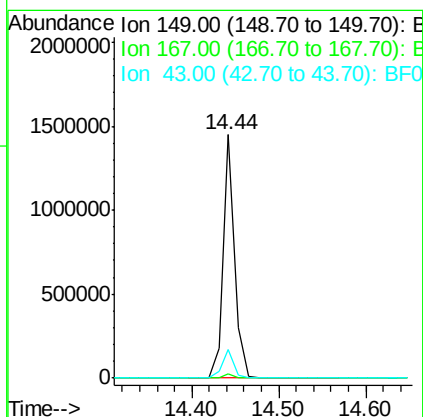
RT: 14.44 min Scan# 1081

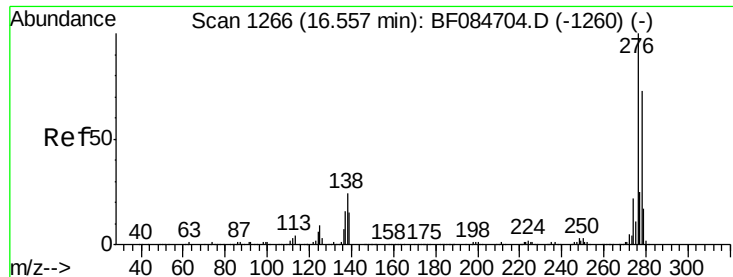
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion:	149	Resp:	1339165
Ion Ratio		Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.6	5.6	8.4#





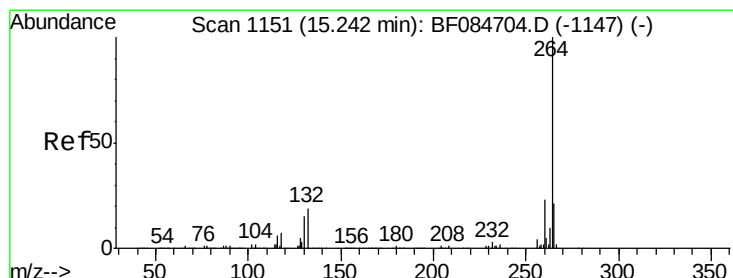
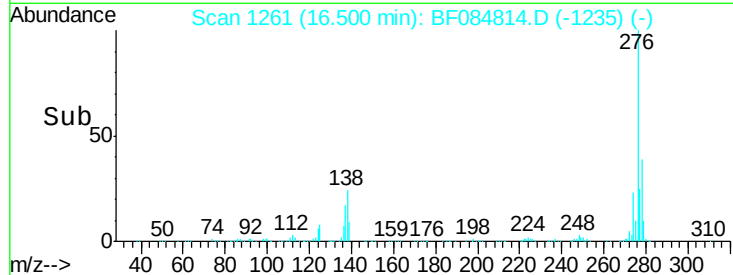
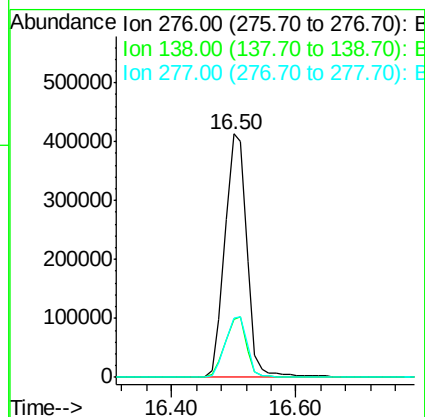
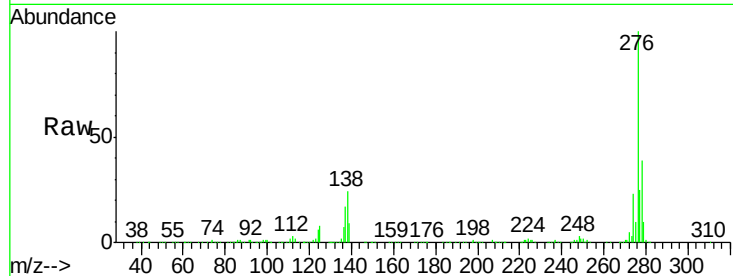
#85
Indeno(1,2,3-cd)pyrene
Concen: 54.82 ng
RT: 16.50 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.6	20.6	30.8
277	25.2	20.1	30.1

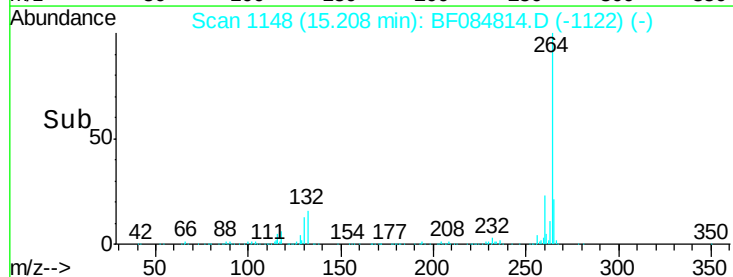
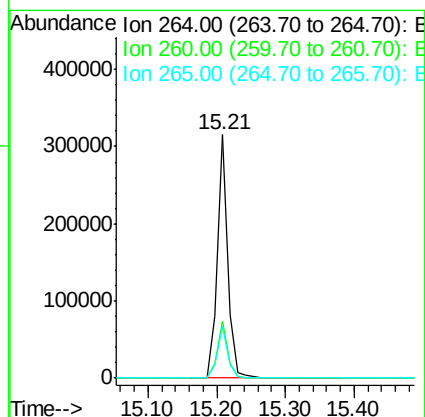
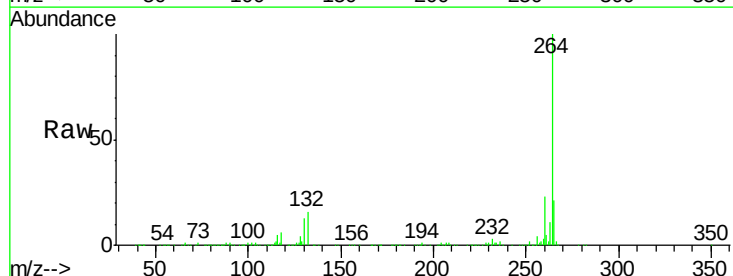
Manual Integrations
APPROVED

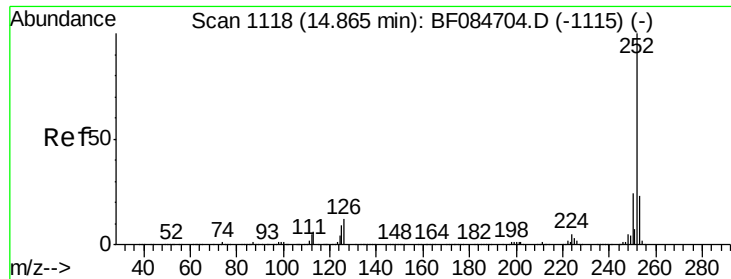
mohammad
2/4/2016 2:05:22 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF084814.D
Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	21.0	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 40.48 ng m

RT: 14.83 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

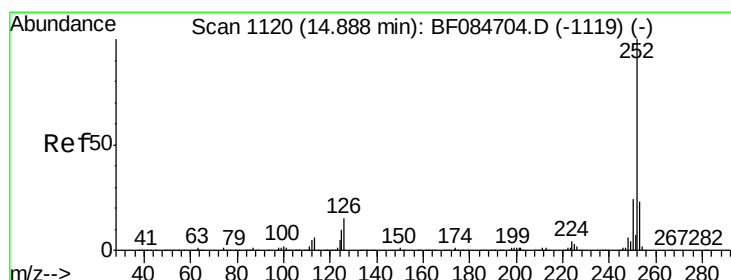
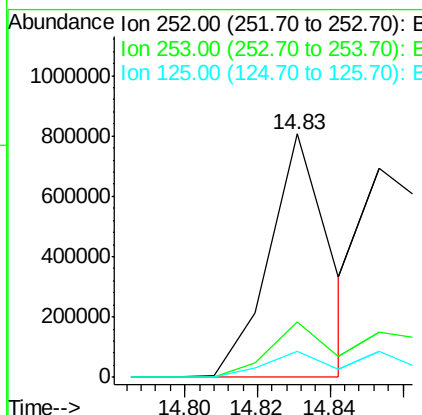
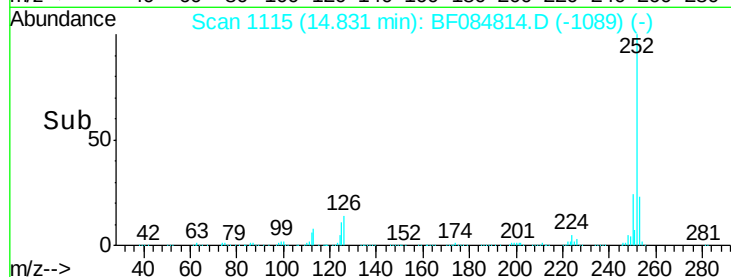
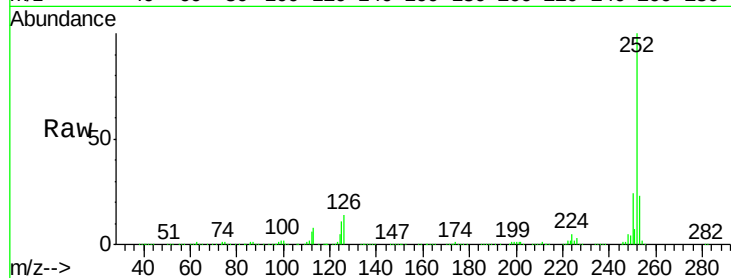
ClientSampleId :

SUP-B005(34-36)MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	10.6	6.5	9.7#

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 PM



#88

Benzo(k)fluoranthene

Concen: 49.02 ng m

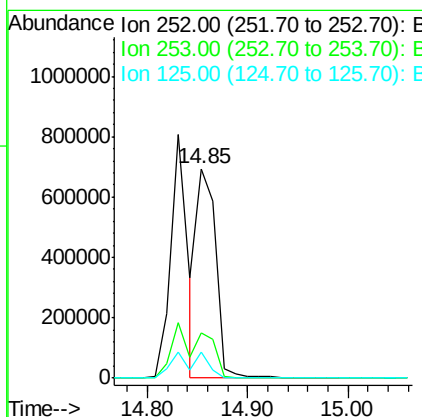
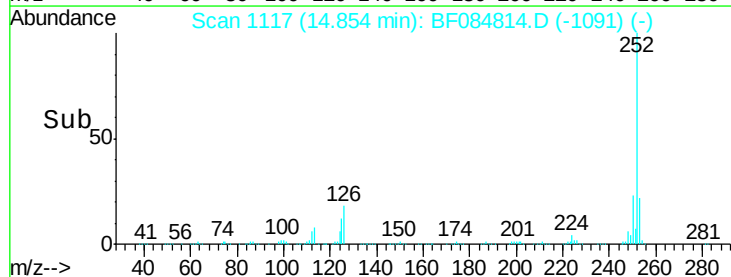
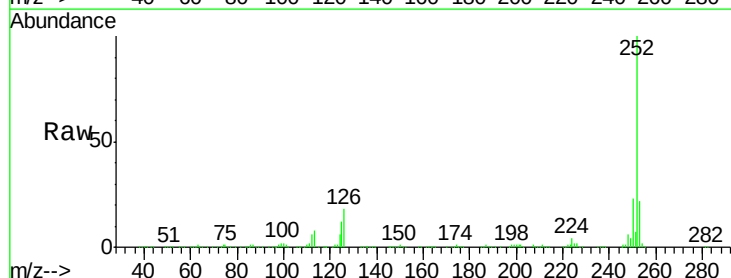
RT: 14.85 min Scan# 1117

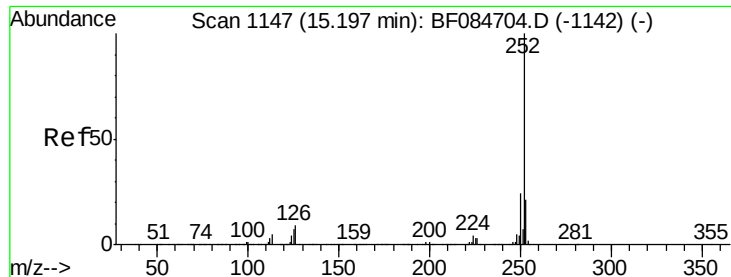
Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	12.2	9.0	13.6





#89

Benzo(a)pyrene

Concen: 46.36 ng

RT: 15.15 min Scan# 1143

Delta R.T. -0.00 min

Lab File: BF084814.D

Acq: 4 Feb 2016 5:04

Instrument :

BNA_F

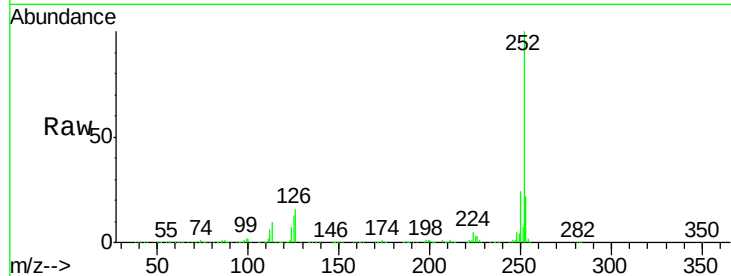
ClientSampleId :

SUP-B005(34-36)MS

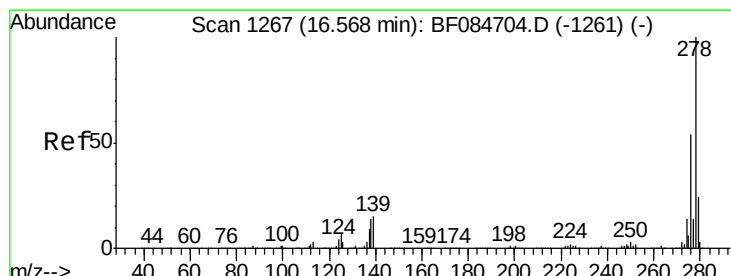
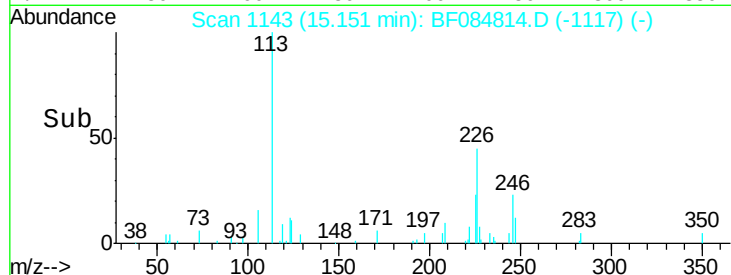
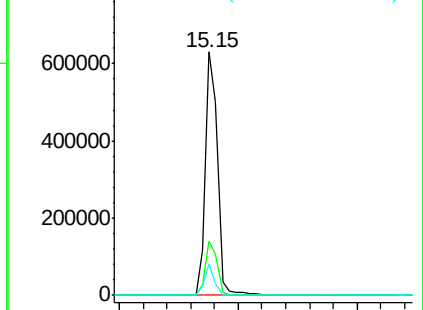
Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		905794		
253	22.5	17.3	25.9		
125	12.6	7.0	10.4		

Manual Integrations
APPROVED

mohammad
2/4/2016 2:05:22 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



#90

Dibenzo(a,h)anthracene

Concen: 51.29 ng

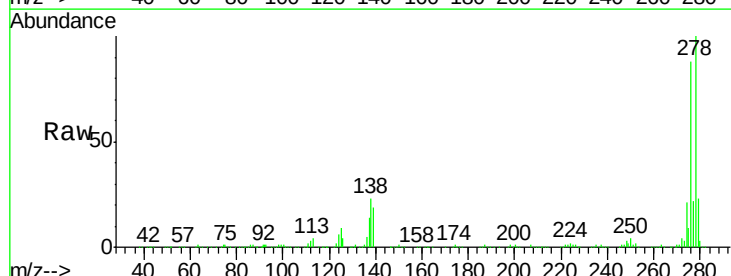
RT: 16.51 min Scan# 1262

Delta R.T. -0.00 min

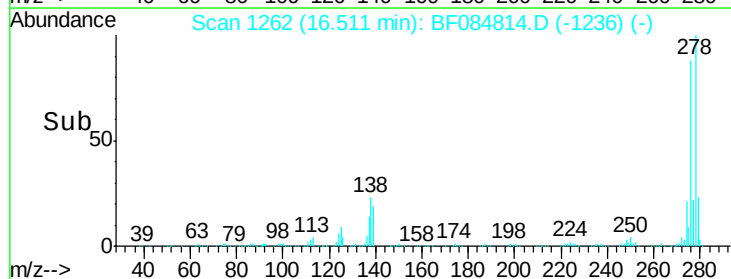
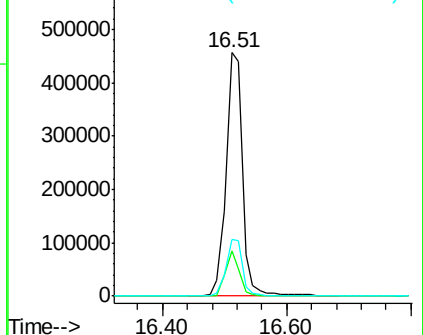
Lab File: BF084814.D

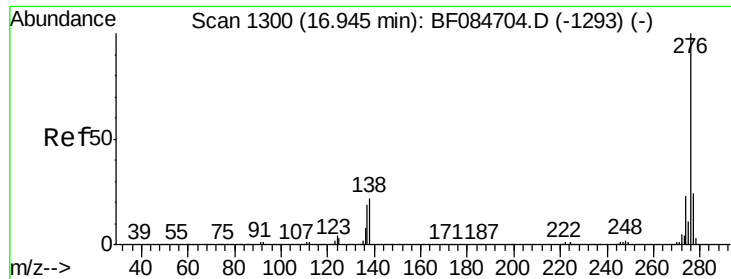
Acq: 4 Feb 2016 5:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
278	100		843666		
139	18.5	15.0	22.4		
279	23.2	18.9	28.3		



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





#91
 Benzo(a,h,i)perylene
 Concen: 53.90 ng
 RT: 16.89 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: BF084814.D
 Acq: 4 Feb 2016 5:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MS

Tot Ion:	276	Resp:	892999
Ion Ratio		Lower	Upper
276	100		
277	23.9	18.8	28.2
138	22.5	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 2/4/2016 2:05:22 PM

