

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012216\
 Data File : BF084589.D
 Acq On : 22 Jan 2016 15:09
 Operator : SJ/IZ
 Sample : PB87925BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

Manual Integrations
 APPROVED

mohammad
 1/25/2016 2:58:48 PM

Quant Time: Jan 22 23:18:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	192595	20.00	ng	-0.08
21) Naphthalene-d8	8.03	136	774023	20.00	ng	-0.09
38) Acenaphthene-d10	9.79	164	391470	20.00	ng	-0.08
63) Phenanthrene-d10	11.27	188	711975	20.00	ng	-0.09
75) Chrysene-d12	13.91	240	558185	20.00	ng	-0.09
86) Perylene-d12	15.30	264	432365	20.00	ng	-0.11

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1347094	113.13	ng	-0.08
7) Phenol-d6	6.40	99	1532601	102.48	ng	-0.08
23) Nitrobenzene-d5	7.31	82	977255	70.27	ng	-0.09
41) 2,4,6-Tribromophenol	10.58	330	430038	108.81	ng	-0.09
44) 2-Fluorobiphenyl	9.12	172	1811556	81.12	ng	-0.08
78) Terphenyl-d14	12.85	244	1652045	66.07	ng	-0.09

Target Compounds						Qvalue
2) 1,4-Dioxane	2.36	88	167513	29.70	ng	# 76
3) Pyridine	3.04	79	343113	21.82	ng	# 74
4) n-Nitrosodimethylamine	2.99	42	217049	26.89	ng	# 78
6) Aniline	6.41	93	290652	13.29	ng	# 1
8) 2-Chlorophenol	6.53	128	498061	36.87	ng	97
9) Benzaldehyde	6.29	77	33820	3.47	ng	86
10) Phenol	6.41	94	648681	38.15	ng	97
11) bis(2-Chloroethyl)ether	6.49	93	478205m	36.31	ng	
12) 1,3-Dichlorobenzene	6.68	146	462153m	33.16	ng	
13) 1,4-Dichlorobenzene	6.76	146	486678	34.83	ng	96
14) 1,2-Dichlorobenzene	6.92	146	432076	32.28	ng	94
15) Benzyl Alcohol	6.90	79	420714	33.44	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.04	45	748556	31.21	ng	86
17) 2-Methylphenol	7.01	107	364210	32.17	ng	92
18) Hexachloroethane	7.25	117	187059	33.47	ng	# 90
19) n-Nitroso-di-n-propylamine	7.16	70	328729	32.47	ng	# 68
20) 3+4-Methylphenols	7.17	107	492386	37.00	ng	# 88
22) Acetophenone	7.16	105	662579	35.60	ng	# 97
24) Nitrobenzene	7.33	77	522272	37.03	ng	99
25) Isophorone	7.57	82	887465	33.37	ng	99
26) 2-Nitrophenol	7.65	139	267076	41.60	ng	93
27) 2,4-Dimethylphenol	7.70	122	474480	36.51	ng	94
28) bis(2-Chloroethoxy)methane	7.79	93	561376	34.55	ng	99
29) 2,4-Dichlorophenol	7.89	162	376229	34.76	ng	96
30) 1,2,4-Trichlorobenzene	7.97	180	401214	35.90	ng	97
31) Naphthalene	8.05	128	1292421	36.80	ng	99
32) Benzoic acid	7.82	122	269927	34.34	ng	93
33) 4-Chloroaniline	8.11	127	147640	9.17	ng	# 92
34) Hexachlorobutadiene	8.18	225	244014	37.99	ng	99
35) Caprolactam	8.48	113	130075m	35.65	ng	
36) 4-Chloro-3-methylphenol	8.60	107	436206	35.98	ng	93
37) 2-Methylnaphthalene	8.75	142	946773	37.56	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	370271	32.90	ng	97
40) Hexachlorocyclopentadiene	8.90	237	386777	56.93	ng	97

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012216\
 Data File : BF084589.D
 Acq On : 22 Jan 2016 15:09
 Operator : SJ/IZ
 Sample : PB87925BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

Manual Integrations
 APPROVED

mohammad
 1/25/2016 2:58:48 PM

Quant Time: Jan 22 23:18:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	263873	31.34	nq	98
43) 2,4,5-Trichlorophenol	9.07	196	280758	34.78	nq #	83
45) 1,1'-Biphenyl	9.21	154	1054180	33.88	nq	98
46) 2-Chloronaphthalene	9.23	162	804243	32.91	nq	97
47) 2-Nitroaniline	9.33	65	267857	33.21	nq	97
48) Acenaphthylene	9.65	152	1340364	37.12	nq	99
49) Dimethylphthalate	9.52	163	988041	35.30	nq #	89
50) 2,6-Dinitrotoluene	9.58	165	227037	36.99	nq	92
51) Acenaphthene	9.82	154	907358	37.46	nq	98
52) 3-Nitroaniline	9.74	138	104283	13.71	nq	93
53) 2,4-Dinitrophenol	9.86	184	257233	97.56	nq	93
54) Dibenzofuran	10.00	168	1219914	38.46	nq	96
55) 4-Nitrophenol	9.93	139	377602	68.39	nq #	82
56) 2,4-Dinitrotoluene	9.98	165	314254	40.45	nq	92
57) Fluorene	10.34	166	970008	39.71	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.12	232	225501	32.72	nq	91
59) Diethylphthalate	10.22	149	1049321	38.03	nq	98
60) 4-Chlorophenyl-phenylether	10.33	204	401272	37.97	nq	92
61) 4-Nitroaniline	10.36	138	229374	33.83	nq	95
62) Azobenzene	10.49	77	1040032	34.36	nq	88
64) 4,6-Dinitro-2-methylphenol	10.38	198	153026	35.29	nq #	44
65) n-Nitrosodiphenylamine	10.45	169	845449	37.14	nq	99
66) 4-Bromophenyl-phenylether	10.82	248	276121	36.03	nq #	85
67) Hexachlorobenzene	10.88	284	298834	34.65	nq #	73
68) Atrazine	10.98	200	232575	31.22	nq	98
69) Pentachlorophenol	11.08	266	313243	70.04	nq	98
70) Phenanthrene	11.30	178	1437624	38.60	nq	98
71) Anthracene	11.35	178	1393923	38.18	nq	99
72) Carbazole	11.51	167	1284085	35.98	nq	99
73) Di-n-butylphthalate	11.85	149	1509347	38.23	nq	99
74) Fluoranthene	12.48	202	1313097	33.75	nq	99
76) Benzidine	12.60	184	287462	14.36	nq	98
77) Pyrene	12.71	202	1431339	32.68	nq	98
79) Butylbenzylphthalate	13.33	149	621951	32.81	nq	91
80) Benzo(a)anthracene	13.89	228	1204235	36.74	nq	99
81) 3,3'-Dichlorobenzidine	13.86	252	245712	21.48	nq #	96
82) Chrysene	13.93	228	954373	30.30	nq	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	825618	34.48	nq	99
84) Di-n-octyl phthalate	14.51	149	1403306	34.71	nq #	90
85) Indeno(1,2,3-cd)pyrene	16.63	276	904315	36.22	nq	98
87) Benzo(b)fluoranthene	14.91	252	1111924m	39.31	nq	
88) Benzo(k)fluoranthene	14.93	252	739235m	31.96	nq	
89) Benzo(a)pyrene	15.24	252	873078	36.39	nq	99
90) Dibenzo(a,h)anthracene	16.64	278	746965	36.19	nq	97
91) Benzo(g,h,i)perylene	17.03	276	762053	35.65	nq	98

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

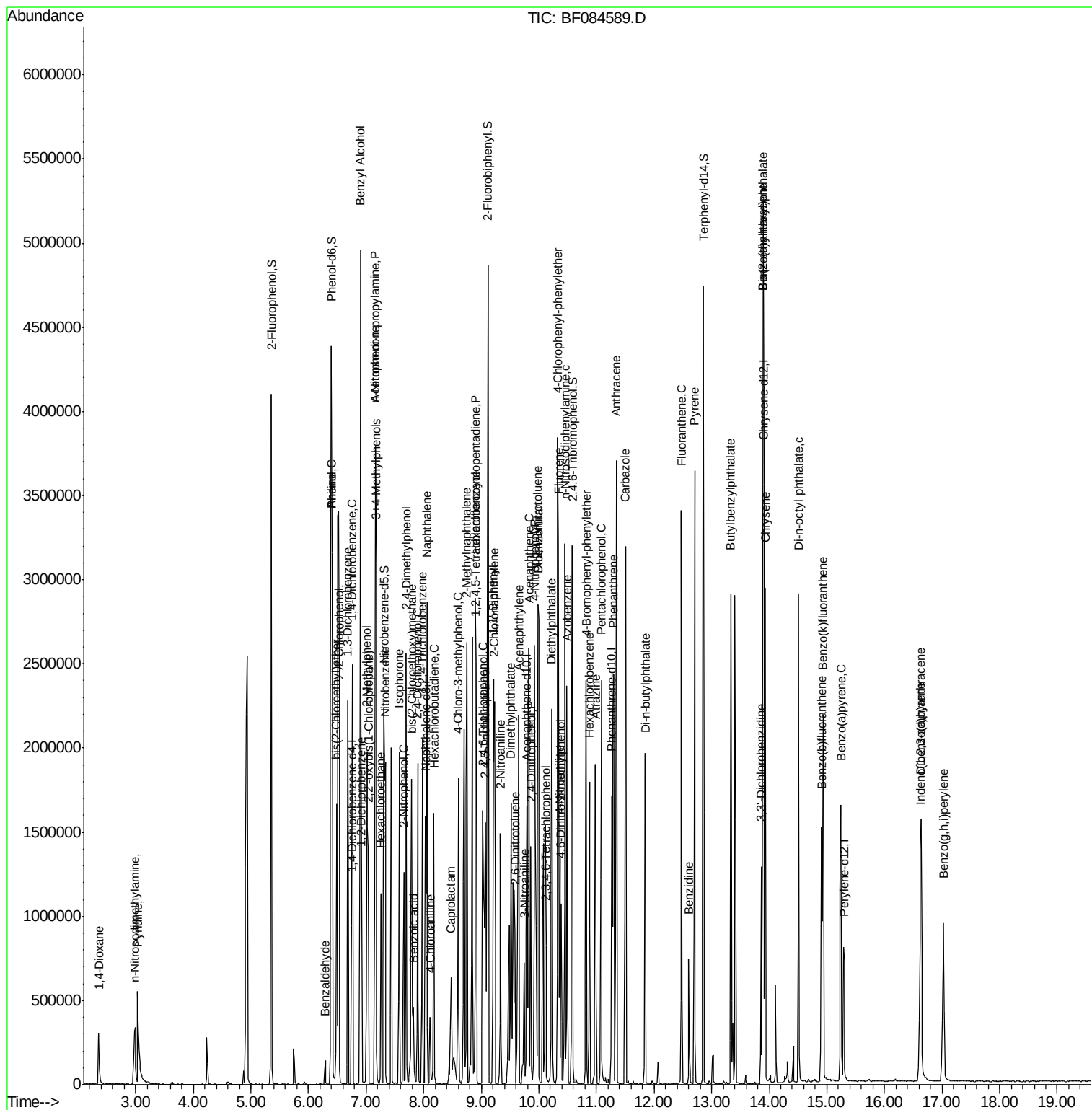
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012216\
Data File : BF084589.D
Acq On : 22 Jan 2016 15:09
Operator : SJ/IZ
Sample : PB87925BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

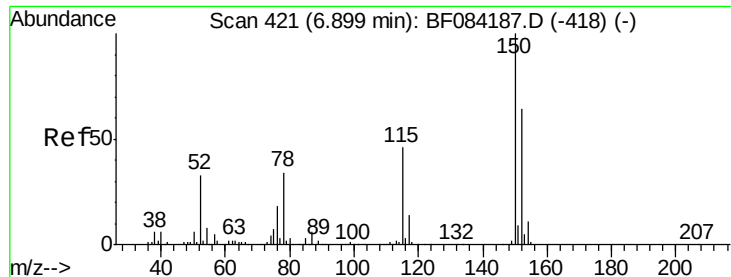
Instrument :
BNA_F
Client Sample ID :
PB87925BS

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM

Quant Time: Jan 22 23:18:13 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

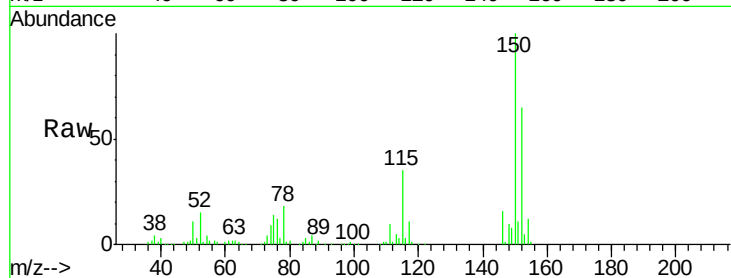
ClientSampleId :

PB87925BS

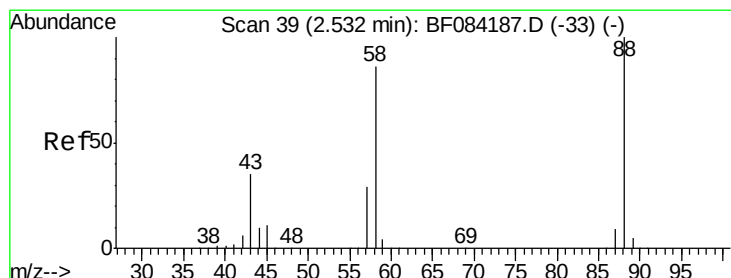
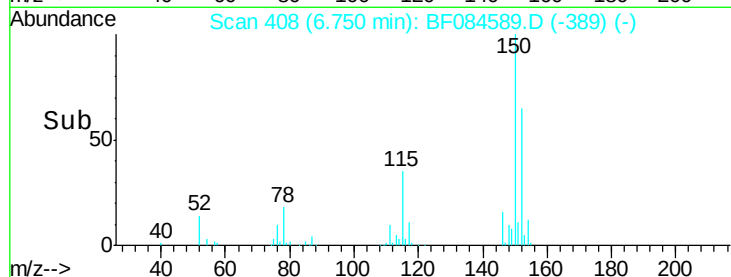
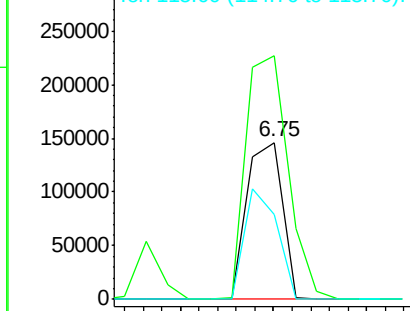
Tot Ion	152	Resp	192595
Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.0	184.4
115	54.1	51.4	77.2

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 29.70 ng

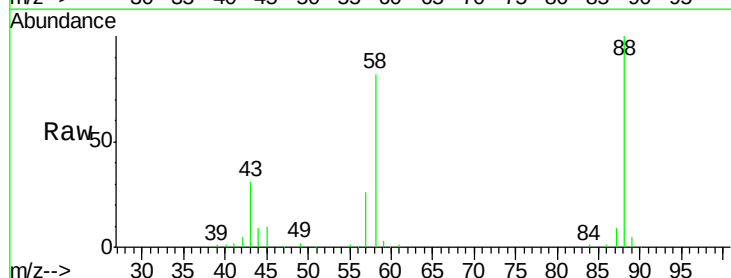
RT: 2.36 min Scan# 24

Delta R.T. -0.03 min

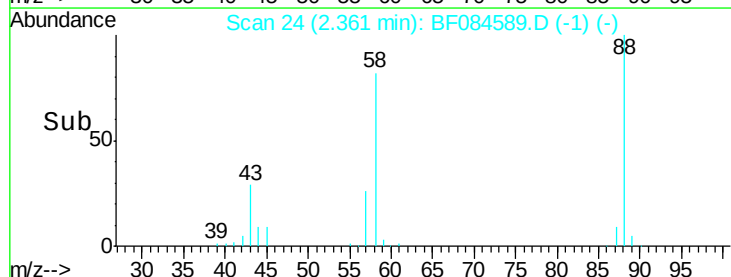
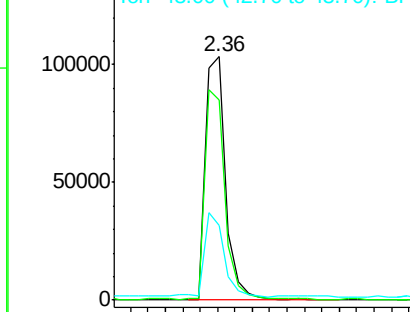
Lab File: BF084589.D

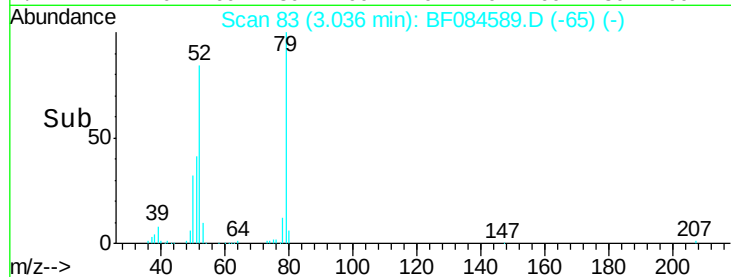
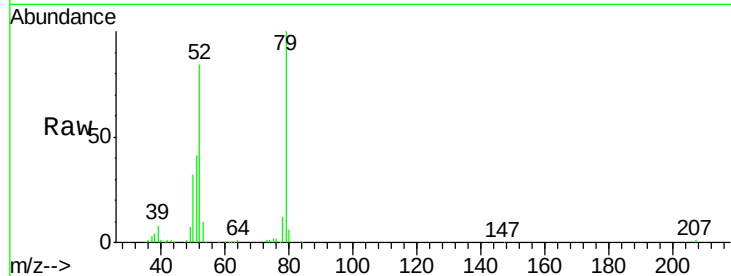
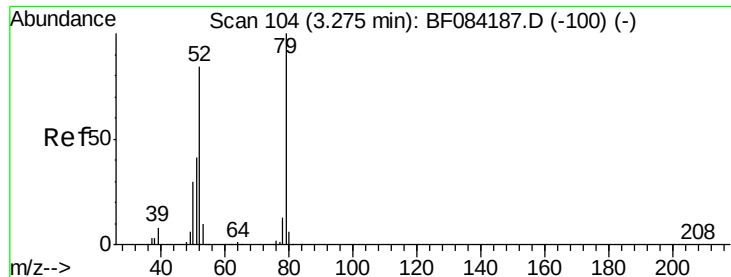
Acq: 22 Jan 2016 15:09

Tgt Ion	88	Resp	167513
Ion	Ratio	Lower	Upper
88	100		
58	85.2	51.2	76.8#
43	33.1	19.5	29.3#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





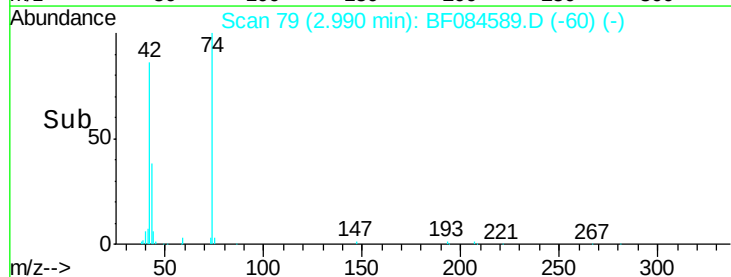
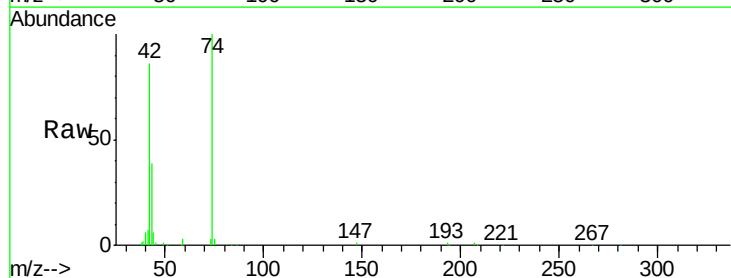
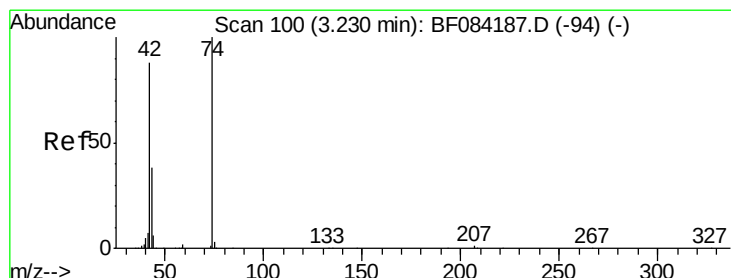
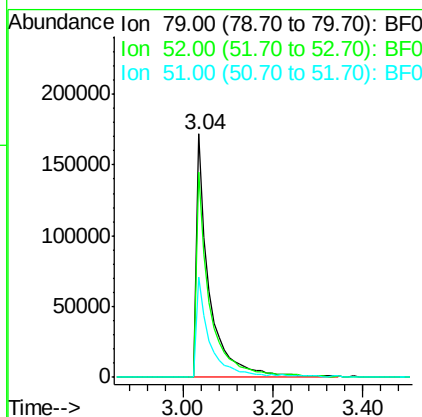
#3
 Pvridine
 Concen: 21.82 ng
 RT: 3.04 min Scan# 83
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		343113		
52	84.4	49.0		73.4#	
51	41.2	25.2		37.8#	

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

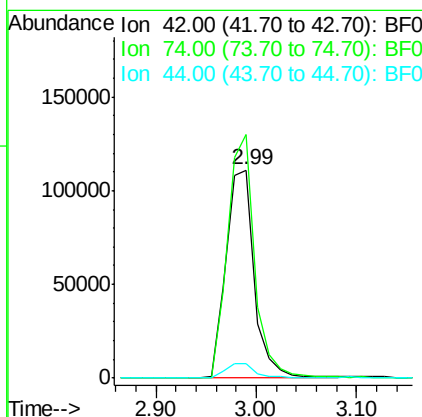
Manual Integrations
 APPROVED

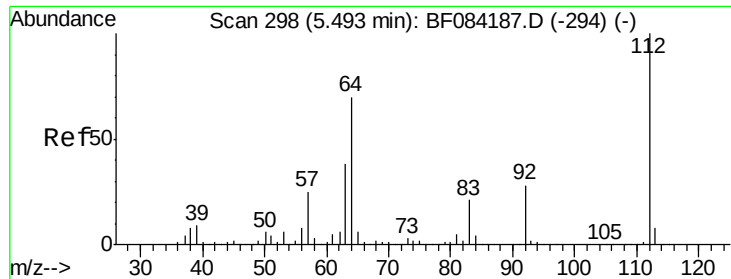
mohammad
 1/25/2016 2:58:48 PM



#4
 n-Nitrosodimethylamine
 Concen: 26.89 ng
 RT: 2.99 min Scan# 79
 Delta R.T. -0.08 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		217049		
74	116.8	115.7		173.5	
44	7.3	5.1		7.7	





#5

2-Fluorophenol

Concen: 113.13 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

ClientSampleId :

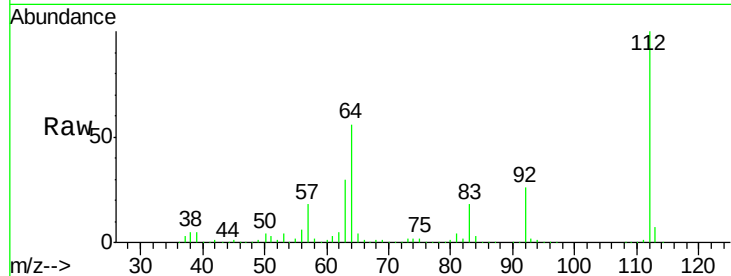
PB87925BS

Tot Ion:112 Resp: 1347094

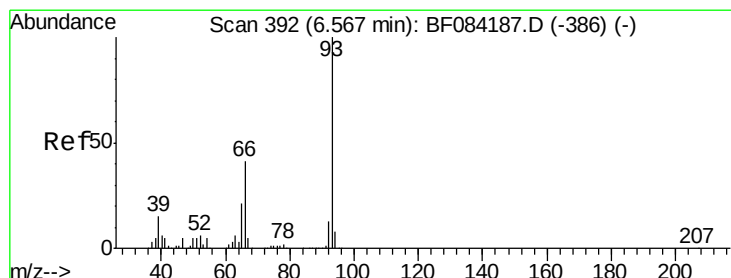
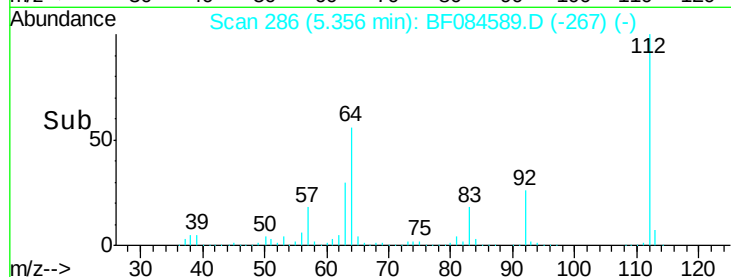
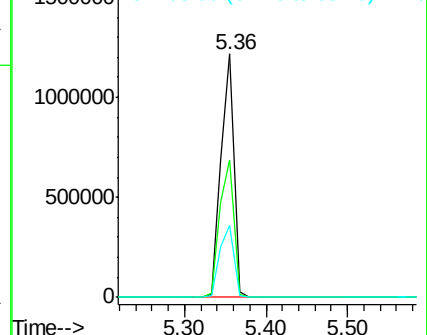
Ion	Ratio	Lower	Upper
112	100		
64	56.3	36.6	55.0#
63	29.5	19.4	29.0#

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 13.29 ng

RT: 6.41 min Scan# 378

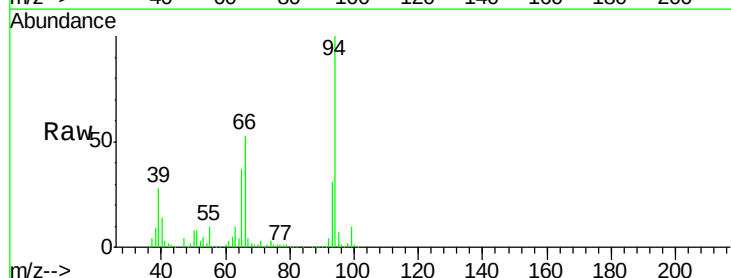
Delta R.T. -0.09 min

Lab File: BF084589.D

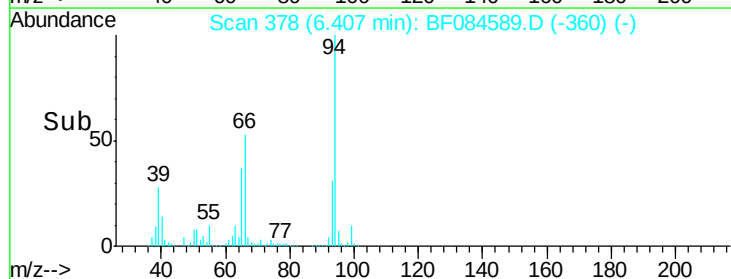
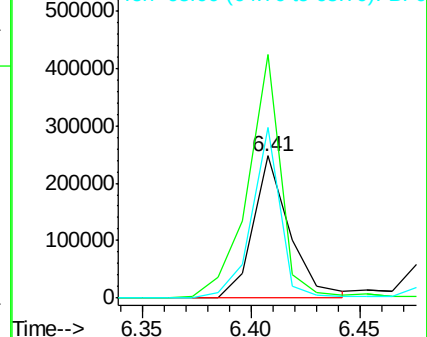
Acq: 22 Jan 2016 15:09

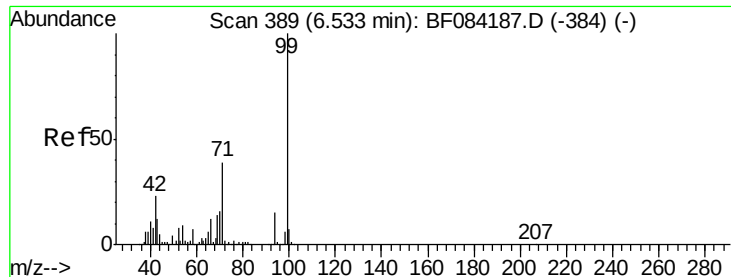
Tgt Ion: 93 Resp: 290652

Ion	Ratio	Lower	Upper
93	100		
66	171.4	44.9	67.3#
65	119.7	23.7	35.5#



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 102.48 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

ClientSampleId :

PB87925BS

Tot Ion: 99 Resp: 1532601

Ion Ratio Lower Upper

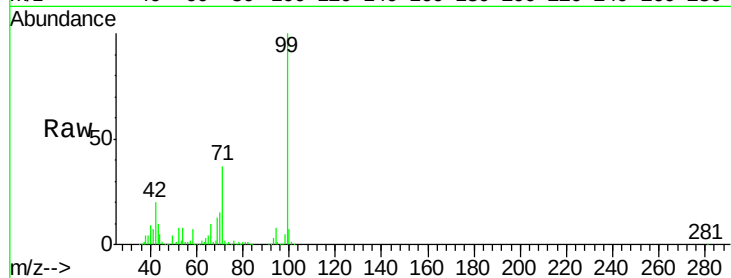
99 100

42 19.9 12.8 19.2#

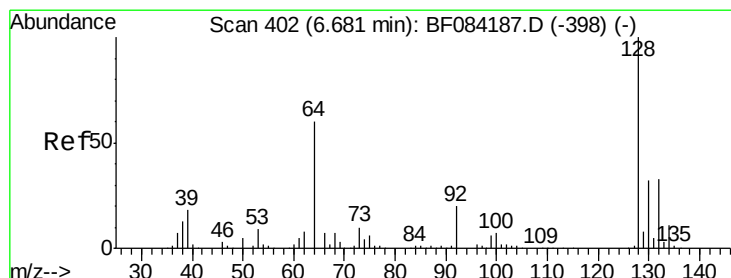
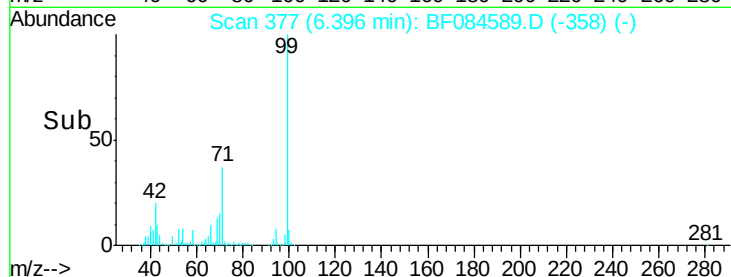
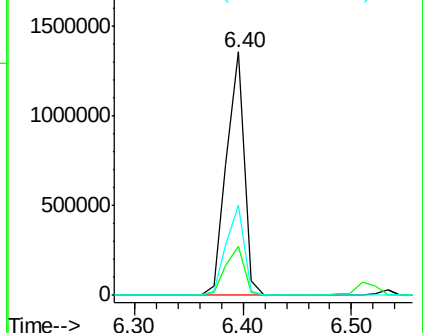
71 37.2 30.9 46.3

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



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



#8

2-Chlorophenol

Concen: 36.87 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

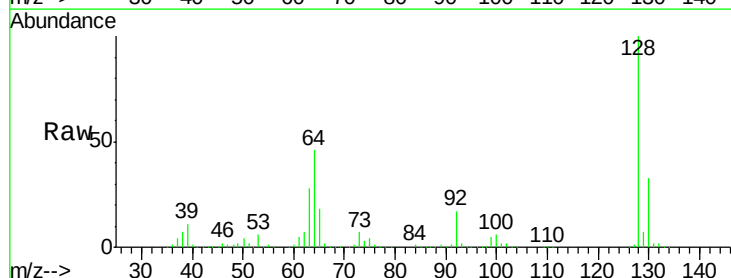
Tgt Ion: 128 Resp: 498061

Ion Ratio Lower Upper

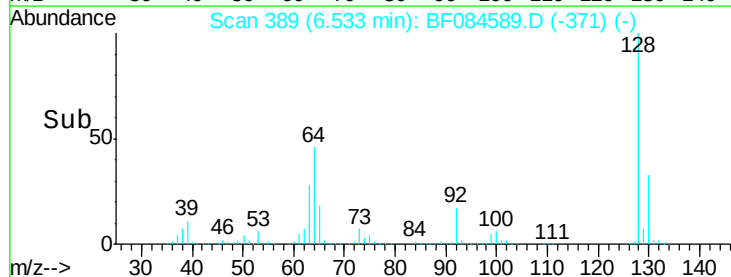
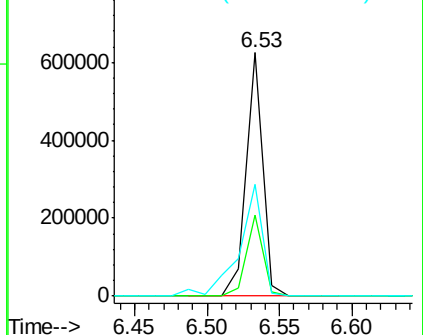
128 100

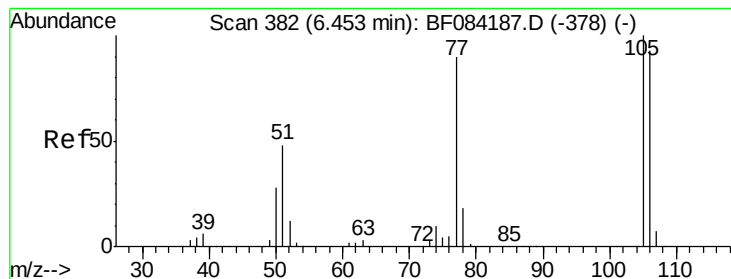
130 33.5 11.6 51.6

64 45.7 23.8 63.8



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





#9

Benzaldehyde

Concen: 3.47 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

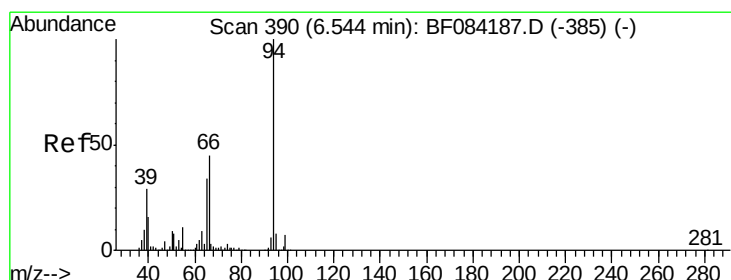
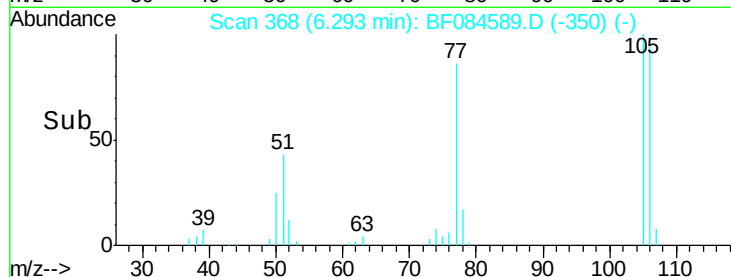
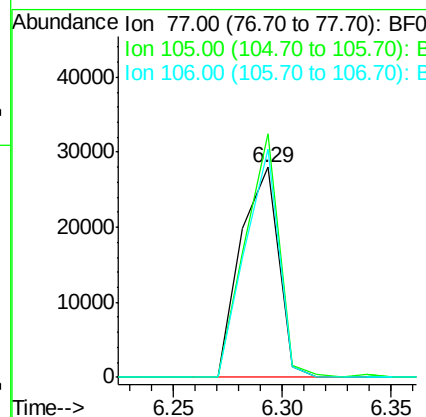
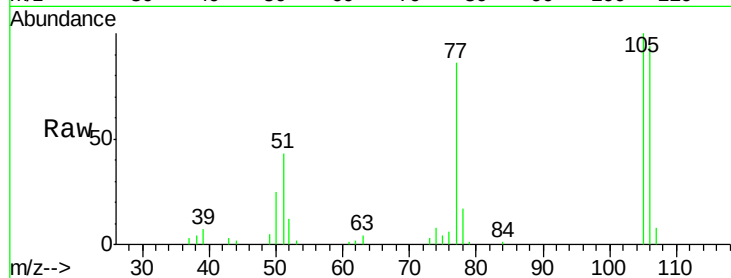
ClientSampleId :

PB87925BS

Tot Ion:	77	Resp:	33820
Ion	Ratio	Lower	Upper
77	100		
105	115.9	83.0	123.0
106	108.7	74.6	114.6

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#10

Phenol

Concen: 38.15 ng

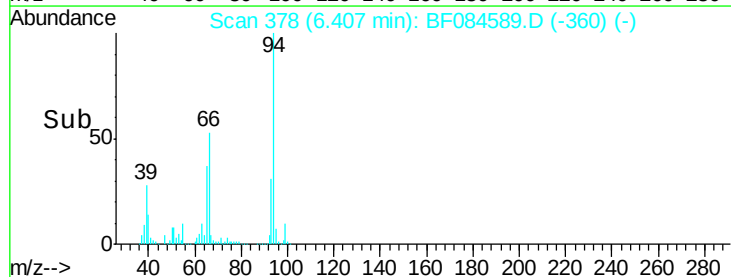
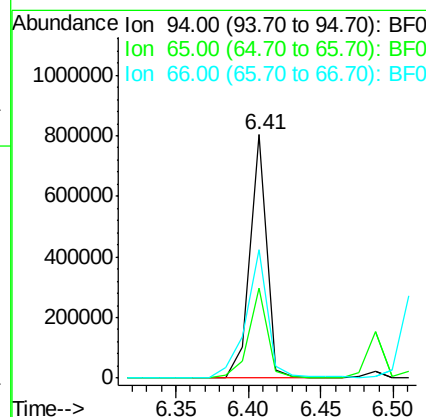
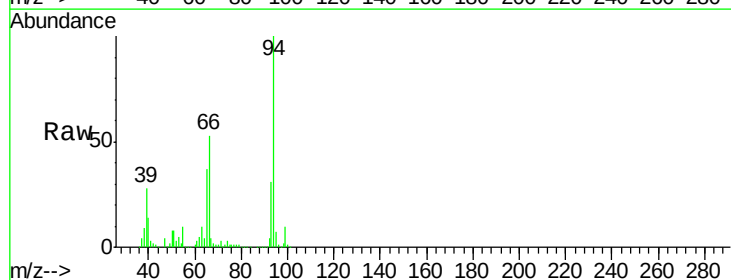
RT: 6.41 min Scan# 378

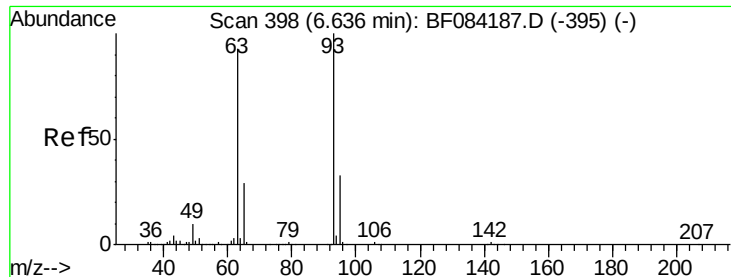
Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	94	Resp:	648681
Ion	Ratio	Lower	Upper
94	100		
65	36.8	12.9	52.9
66	52.7	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 36.31 ng m

RT: 6.49 min Scan# 385

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

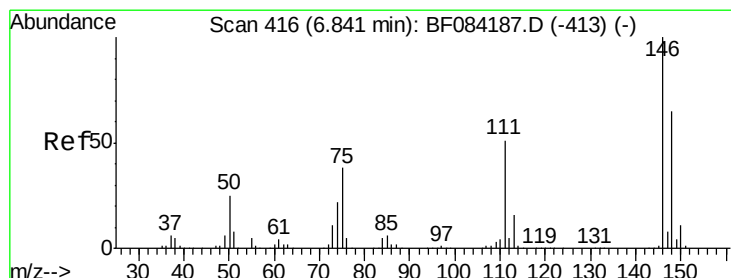
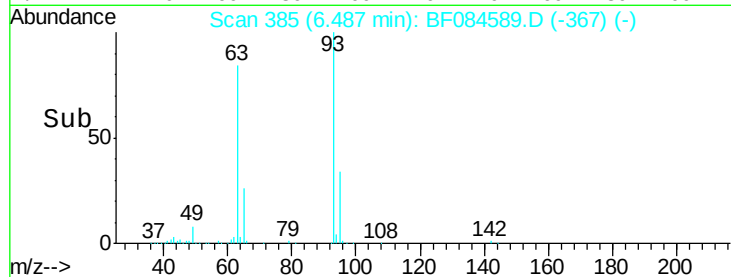
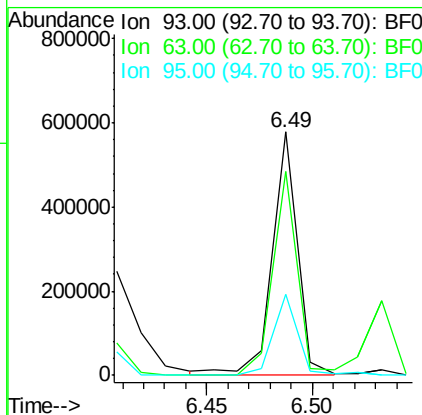
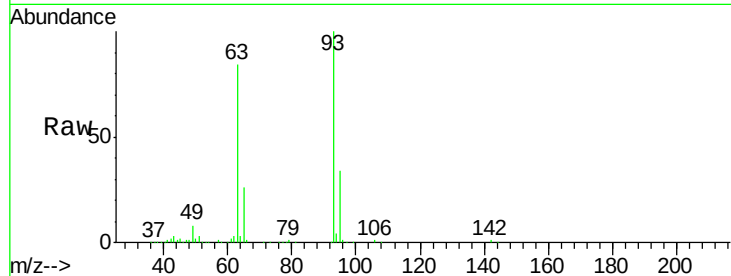
ClientSampleId :

PB87925BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	84.0	45.9	85.9
95	33.5	12.3	52.3

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#12

1,3-Dichlorobenzene

Concen: 33.16 ng m

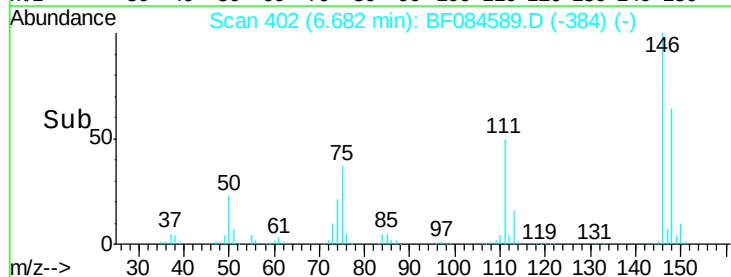
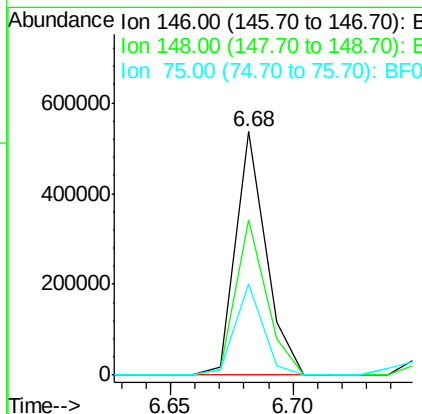
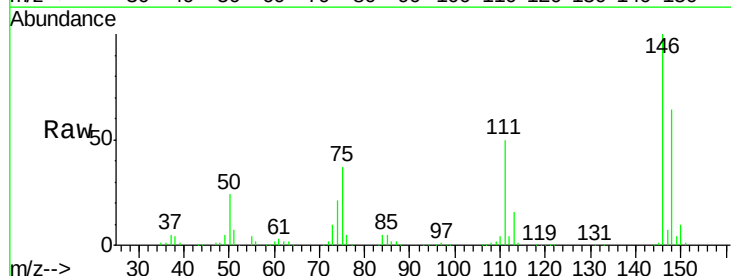
RT: 6.68 min Scan# 402

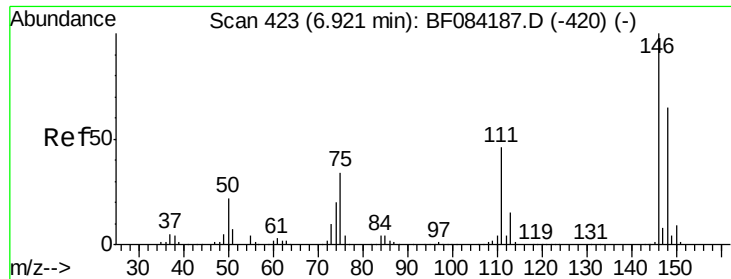
Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.9	77.9
75	37.4	20.5	30.7#





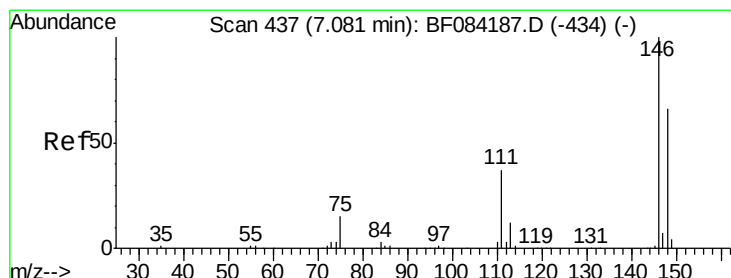
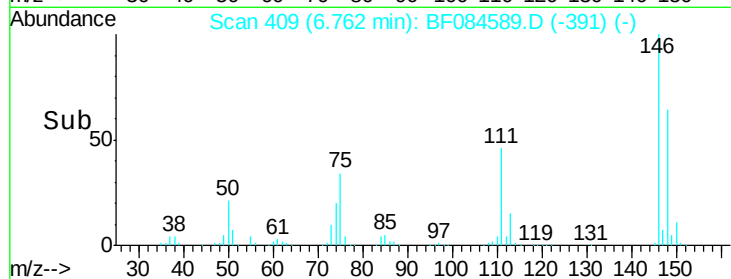
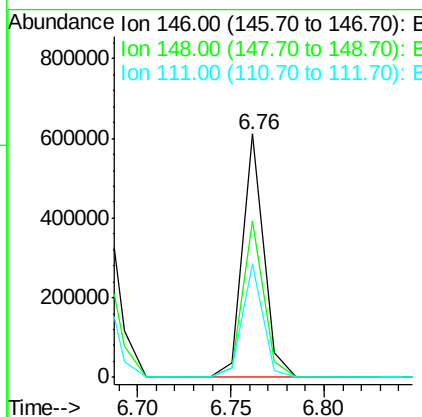
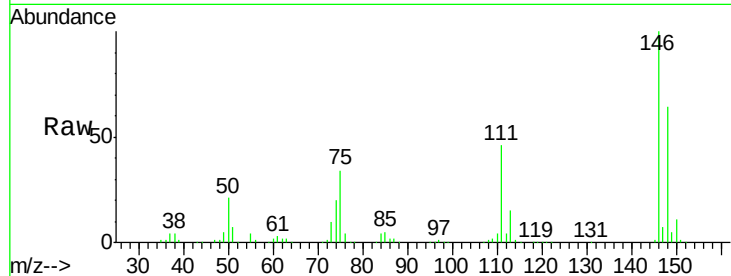
#13
 1,4-Dichlorobenzene
 Concen: 34.83 ng
 RT: 6.76 min Scan# 409
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
146	100		486678		
148	64.1	51.9	77.9		
111	46.3	41.6	62.4		

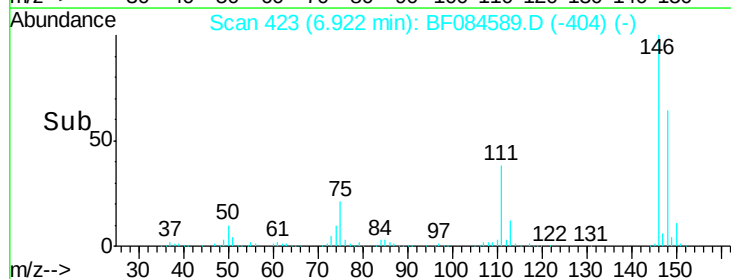
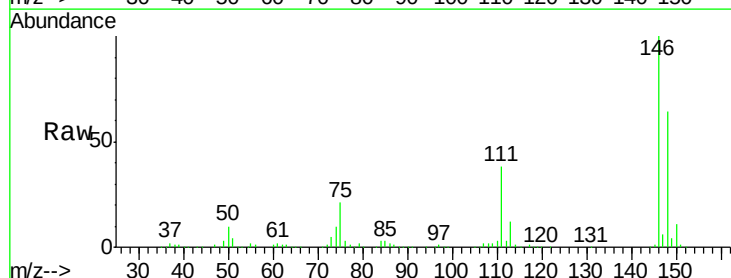
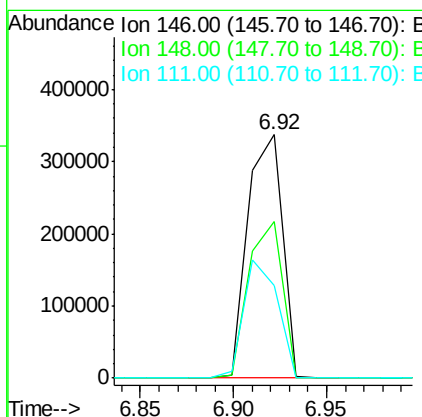
Manual Integrations
 APPROVED

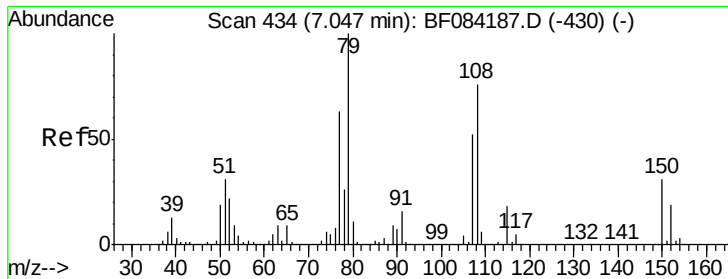
mohammad
 1/25/2016 2:58:48 PM



#14
 1,2-Dichlorobenzene
 Concen: 32.28 ng
 RT: 6.92 min Scan# 423
 Delta R.T. -0.08 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		432076		
148	64.4	51.6	77.4		
111	38.2	38.0	57.0		





#15

Benzyl Alcohol

Concen: 33.44 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

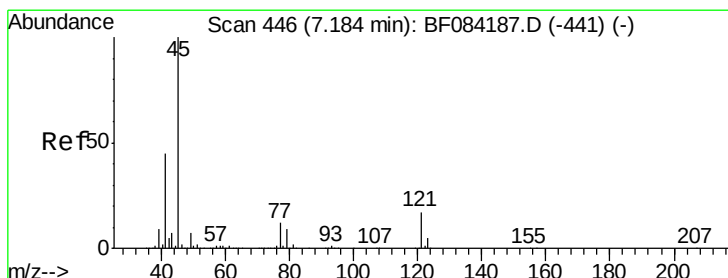
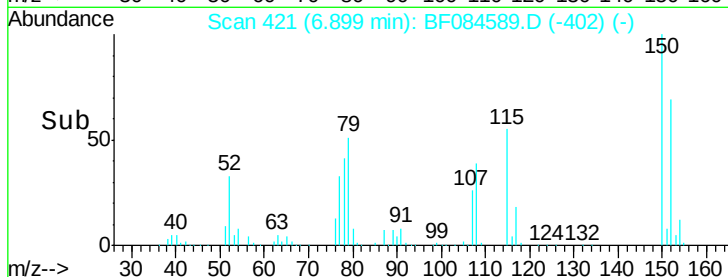
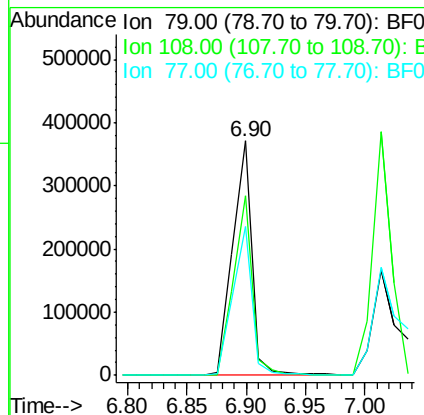
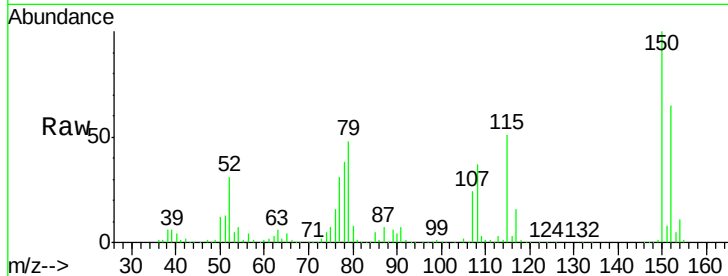
ClientSampled :

PB87925BS

Tot Ion:	79	Resp:	420714
Ion Ratio	Lower	Upper	
79	100		
108	76.6	69.0	103.4
77	63.8	50.0	75.0

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.21 ng

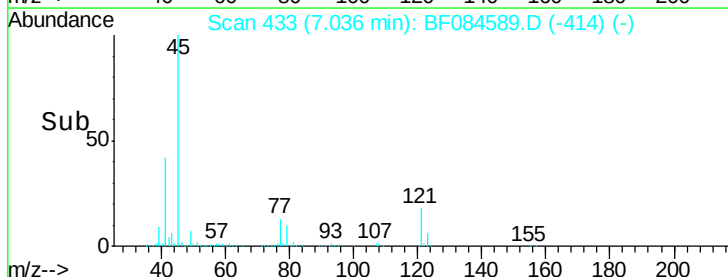
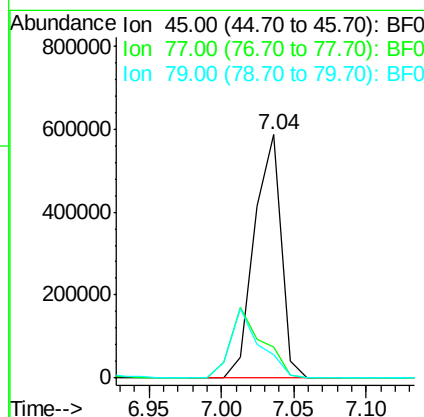
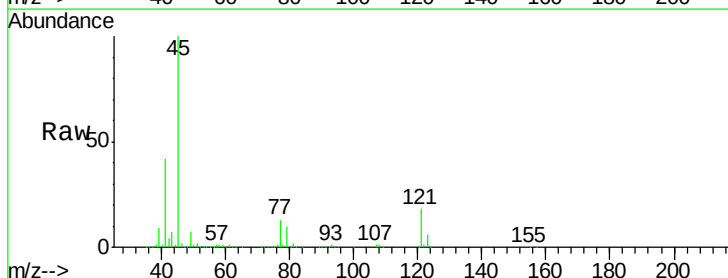
RT: 7.04 min Scan# 433

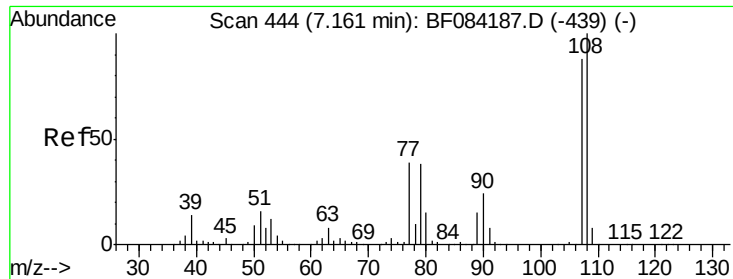
Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	45	Resp:	748556
Ion Ratio	Lower	Upper	
45	100		
77	12.7	0.0	39.6
79	9.8	0.0	35.0





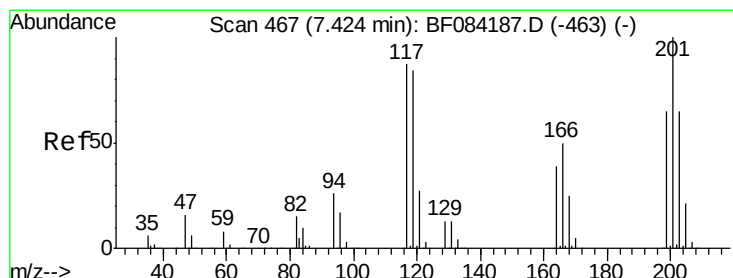
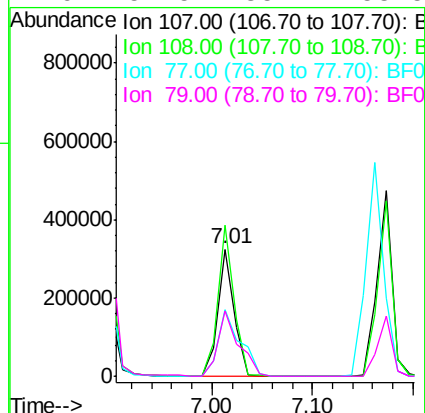
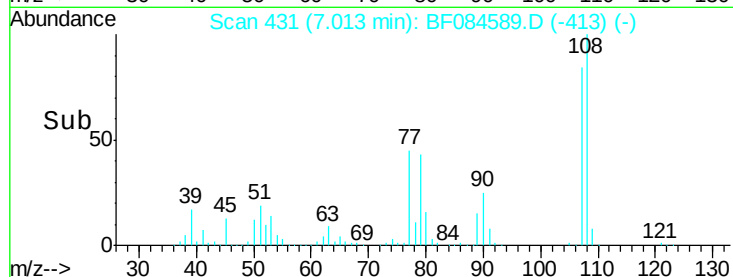
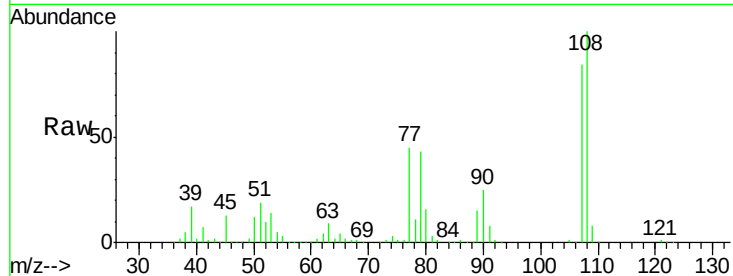
#17
2-Methylphenol
Concen: 32.17 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	118.5	89.8	134.6		
77	52.8	35.7	53.5		
79	51.5	35.7	53.5		

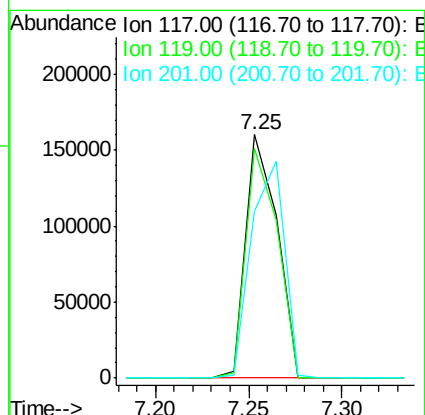
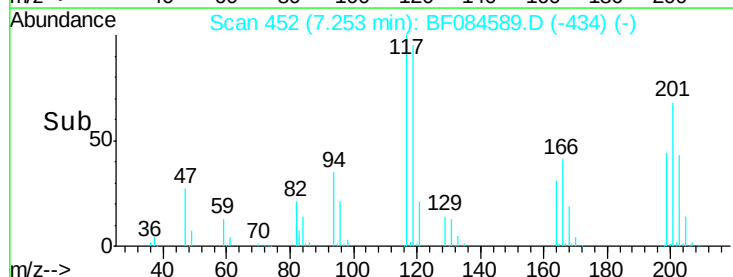
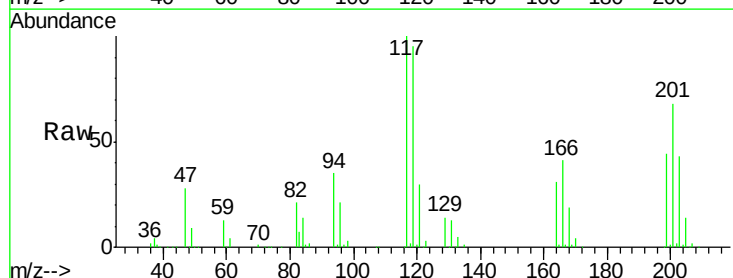
Manual Integrations
APPROVED

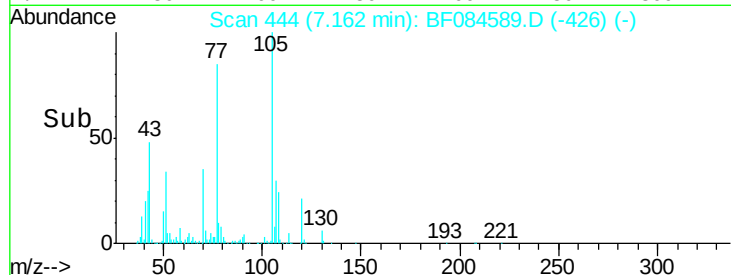
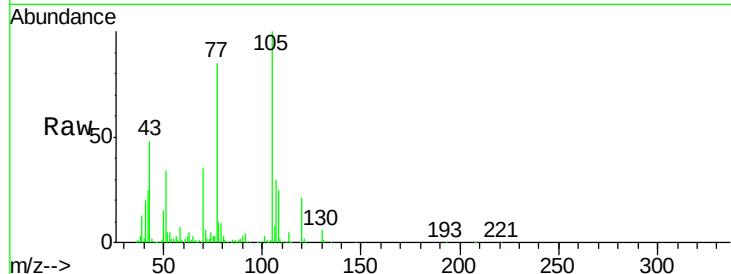
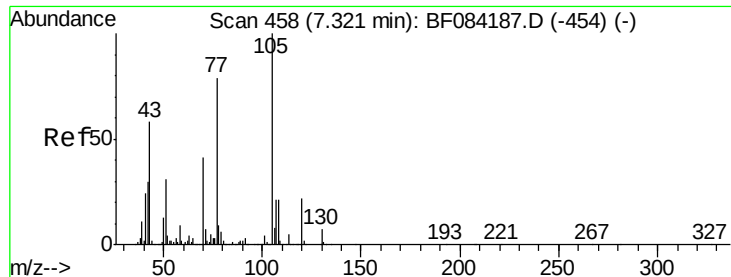
mohammad
1/25/2016 2:58:48 PM



#18
Hexachloroethane
Concen: 33.47 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100				
119	94.5	77.4	116.0		
201	68.5	68.6	103.0		





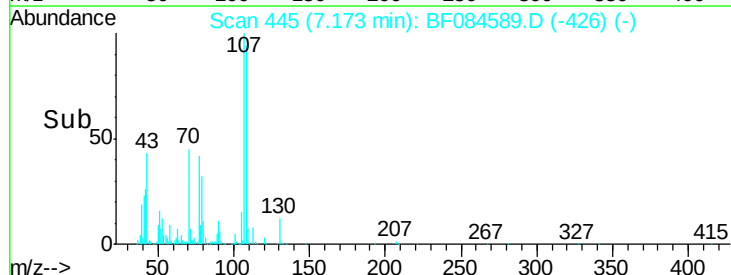
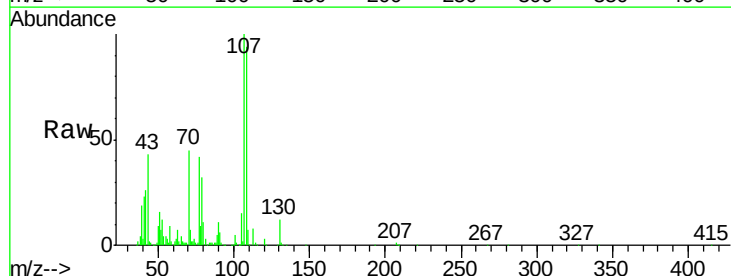
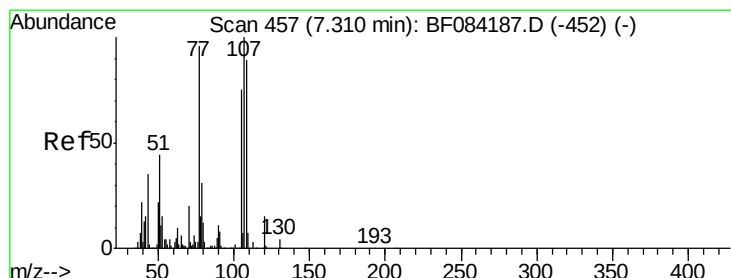
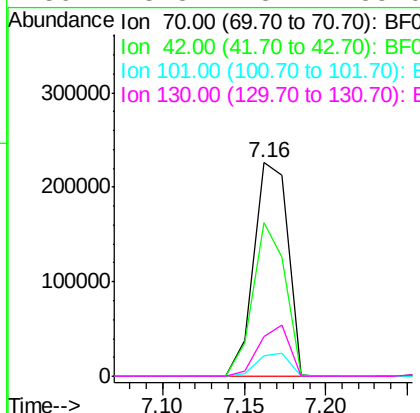
#19
n-Nitroso-di-n-propylamine
Concen: 32.47 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	71.7	33.3	49.9#
101	9.5	9.3	13.9
130	18.3	23.4	35.0#

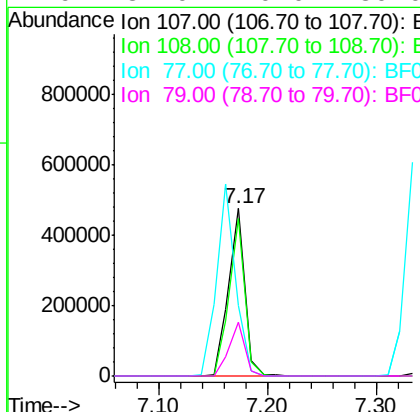
Manual Integrations
APPROVED

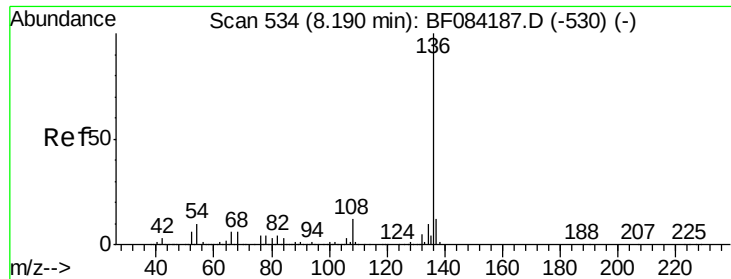
mohammad
1/25/2016 2:58:48 PM



#20
3+4-Methylphenols
Concen: 37.00 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Lower	Upper
107	100		
108	94.0	74.6	114.6
77	42.3	0.7	40.7#
79	32.0	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

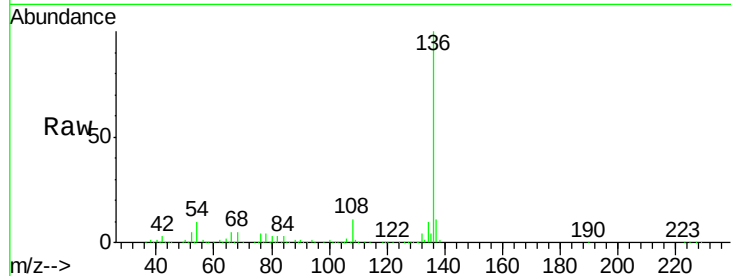
ClientSampleId :

PB87925BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	774023		
137	11.0	8.7	13.1	
54	9.7	5.8	8.8	
68	5.1	4.2	6.2	

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM

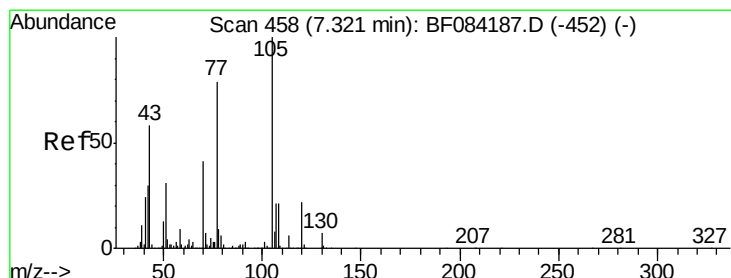
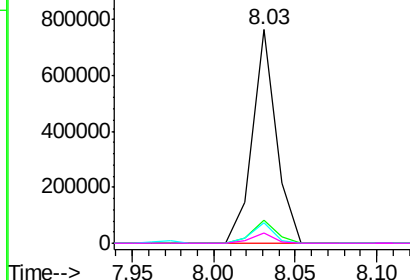
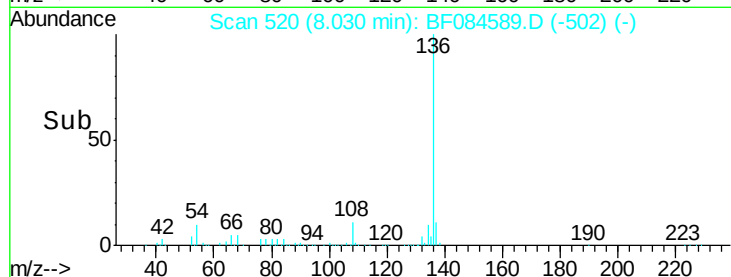


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 35.60 ng

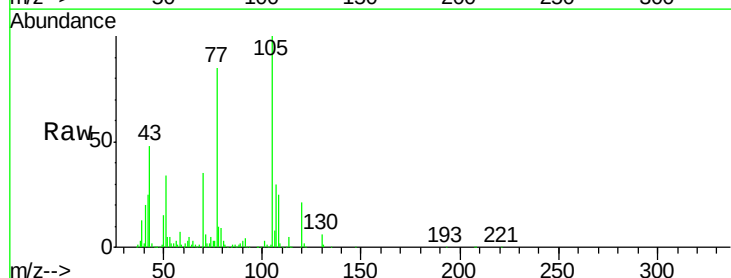
RT: 7.16 min Scan# 444

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	662579		
71	5.9	3.7	5.5	
51	33.7	25.1	37.7	
120	21.0	16.6	25.0	

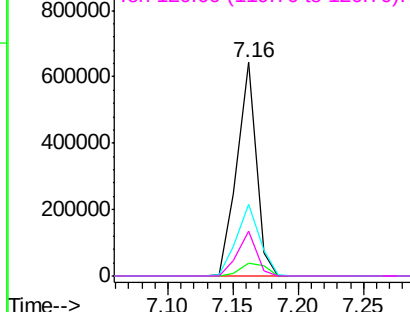
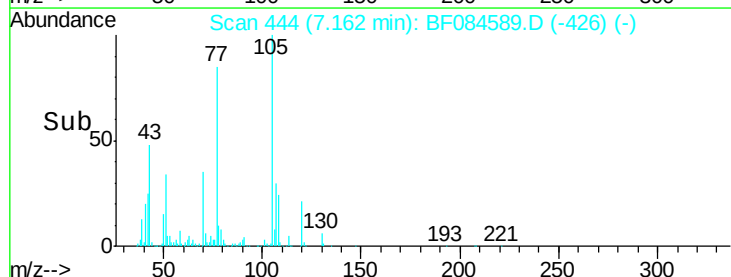


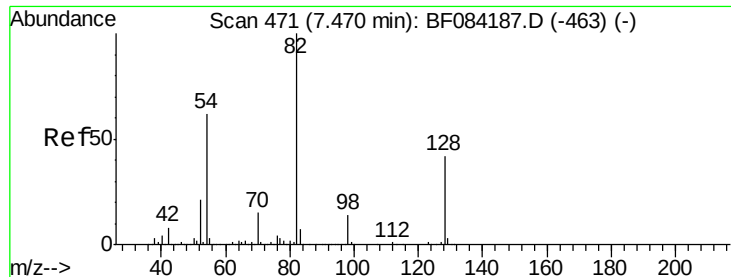
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 70.27 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

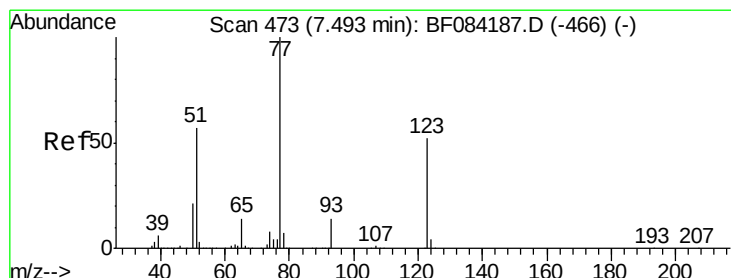
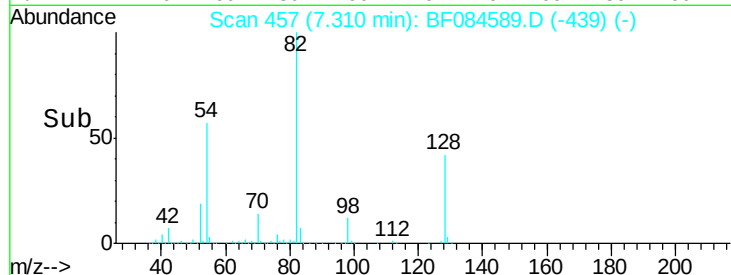
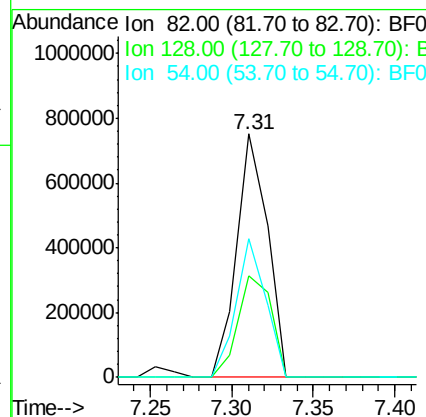
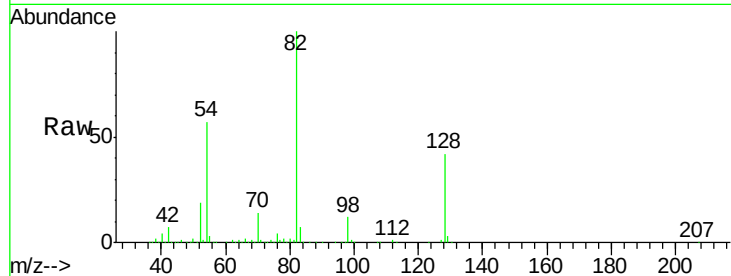
ClientSampleId :

PB87925BS

Tot Ion:	82	Resp:	977255
Ion Ratio	Lower	Upper	
82	100		
128	41.7	34.6	51.8
54	57.2	38.4	57.6

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#24

Nitrobenzene

Concen: 37.03 ng

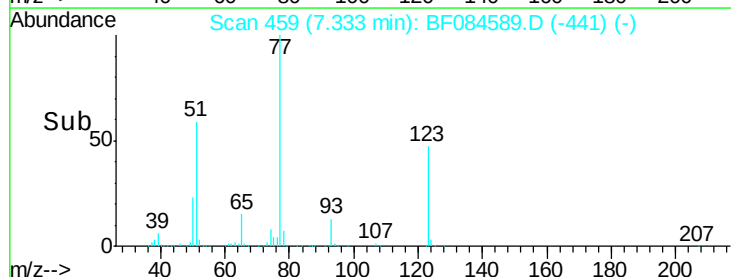
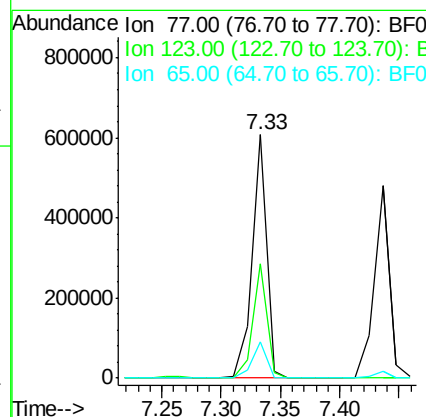
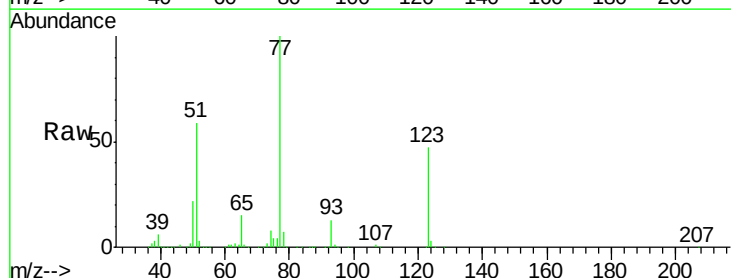
RT: 7.33 min Scan# 459

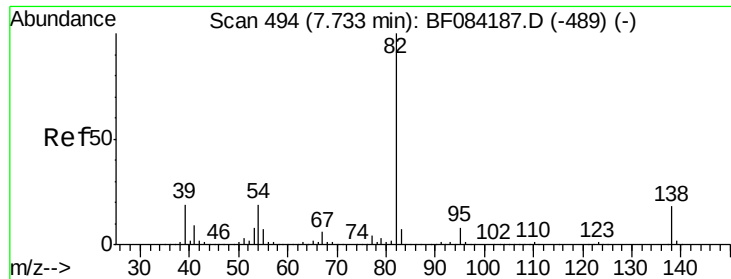
Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	77	Resp:	522272
Ion Ratio	Lower	Upper	
77	100		
123	47.1	37.4	56.2
65	14.7	10.9	16.3





#25

Isophorone

Concen: 33.37 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

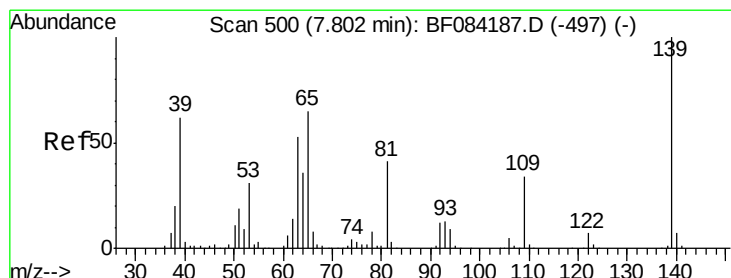
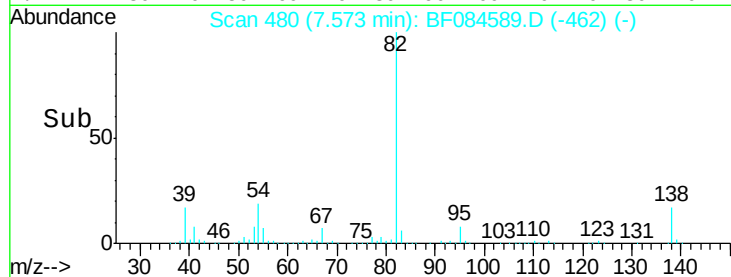
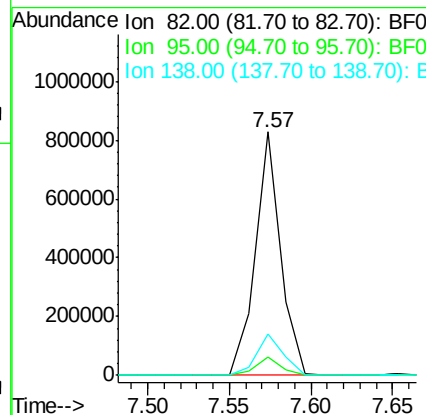
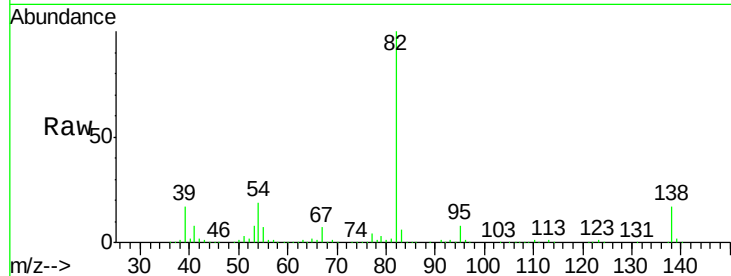
ClientSampleId :

PB87925BS

Tot Ion:	82	Resp:	887465
Ion Ratio	Lower	Upper	
82	100		
95	7.7	6.6	10.0
138	16.8	13.6	20.4

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#26

2-Nitrophenol

Concen: 41.60 ng

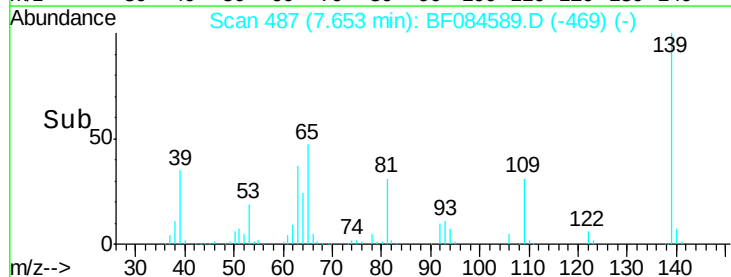
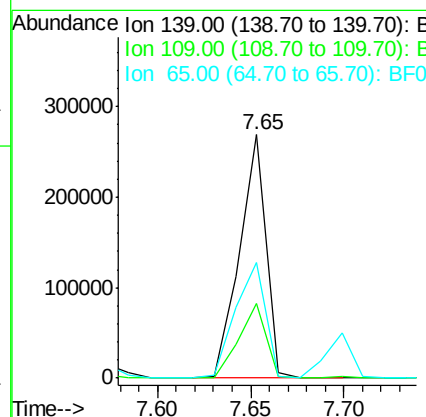
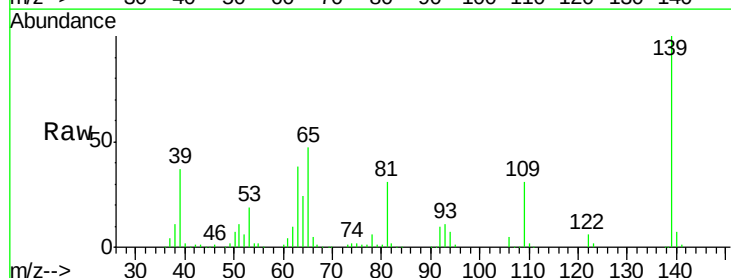
RT: 7.65 min Scan# 487

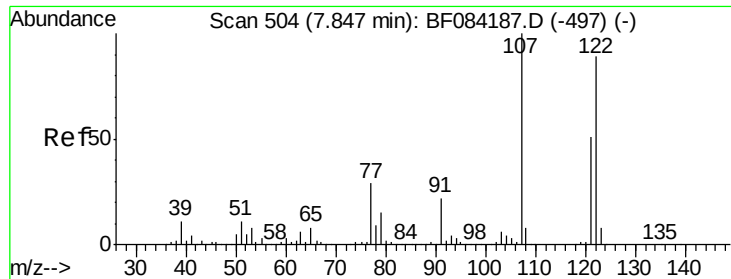
Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	139	Resp:	267076
Ion Ratio	Lower	Upper	
139	100		
109	30.6	25.4	38.2
65	47.3	32.3	48.5





#27

2,4-Dimethylphenol

Concen: 36.51 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

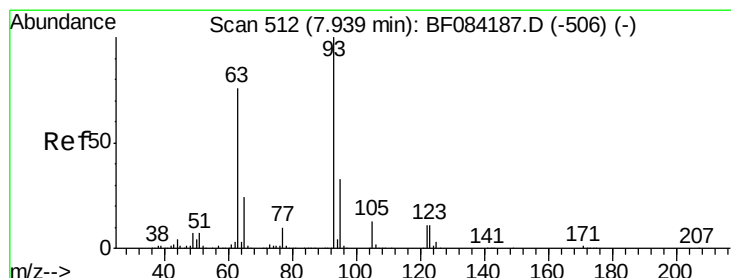
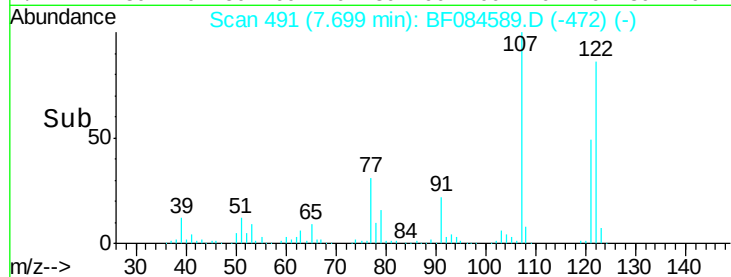
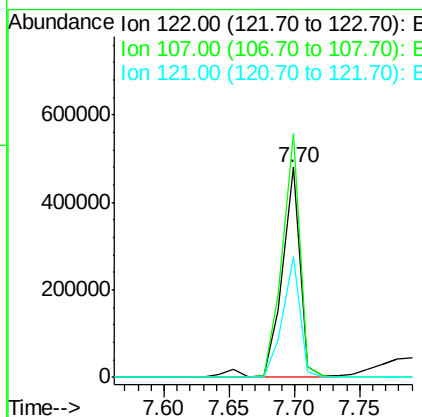
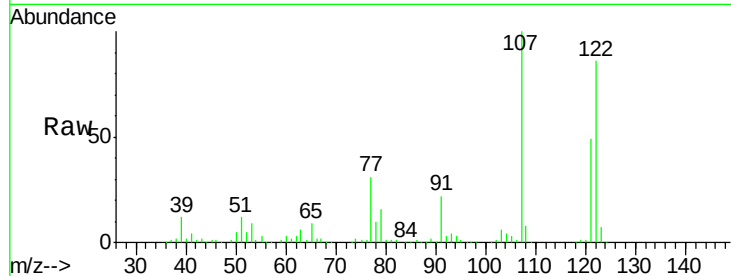
ClientSampleId :

PB87925BS

Tot Ion:	122	Resp:	474480
Ion Ratio	Lower	Upper	
122	100		
107	115.9	99.1	148.7
121	57.2	47.9	71.9

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#28

bis(2-Chloroethoxy)methane

Concen: 34.55 ng

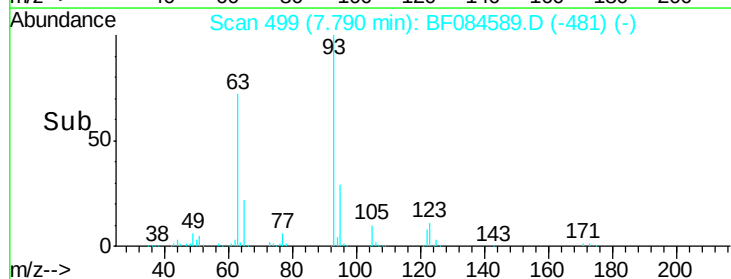
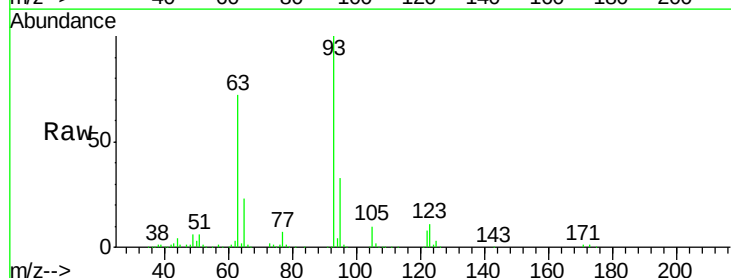
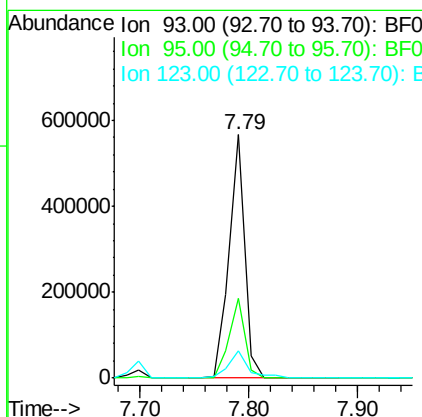
RT: 7.79 min Scan# 499

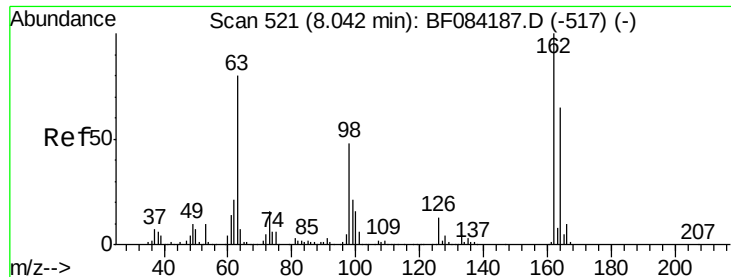
Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	93	Resp:	561376
Ion Ratio	Lower	Upper	
93	100		
95	32.6	25.8	38.6
123	11.3	8.6	12.8





#29

2,4-Dichlorophenol

Concen: 34.76 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

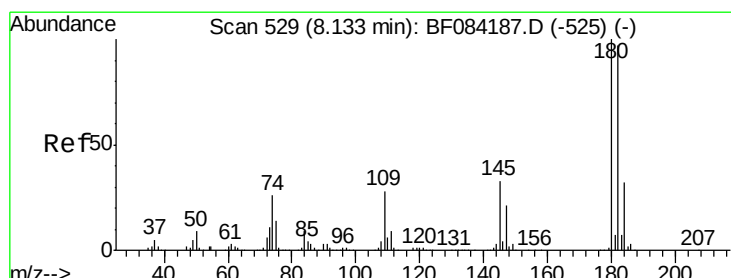
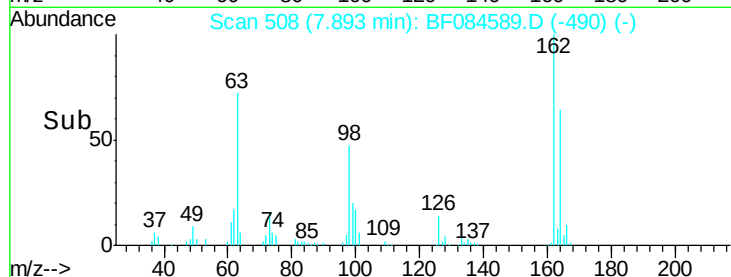
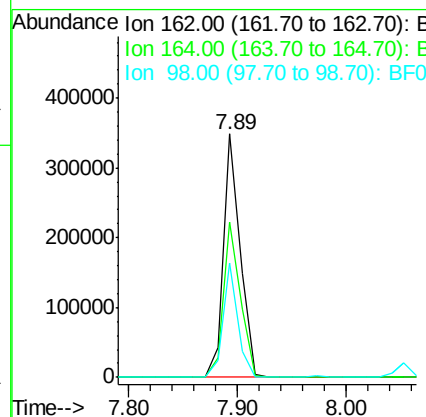
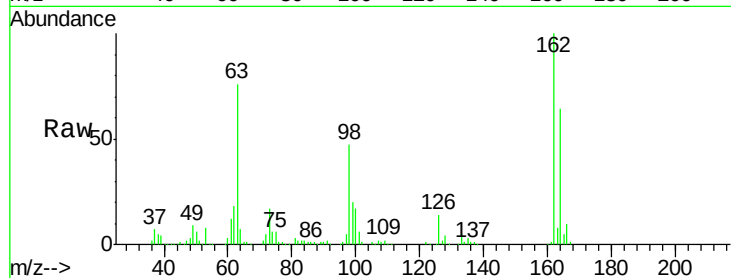
ClientSampleId :

PB87925BS

Tot Ion:	162	Resp:	376229
Ion Ratio	Lower	Upper	
162	100		
164	63.9	44.1	84.1
98	47.0	20.2	60.2

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#30

1,2,4-Trichlorobenzene

Concen: 35.90 ng

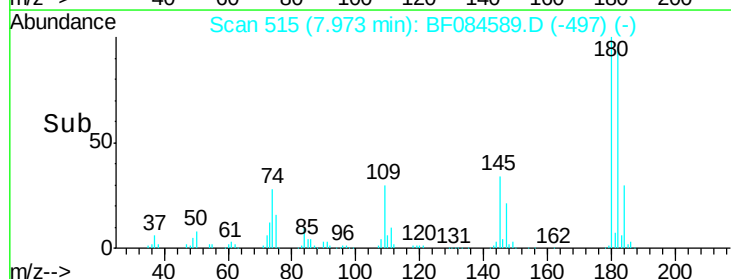
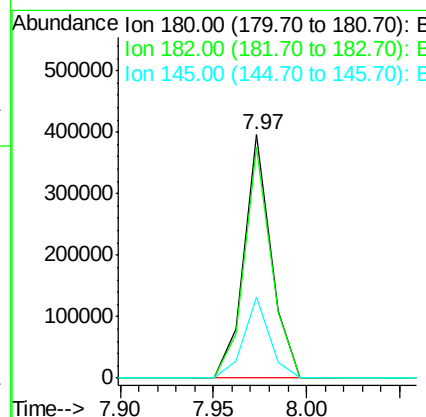
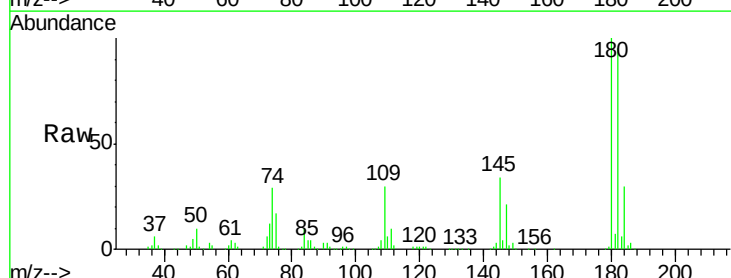
RT: 7.97 min Scan# 515

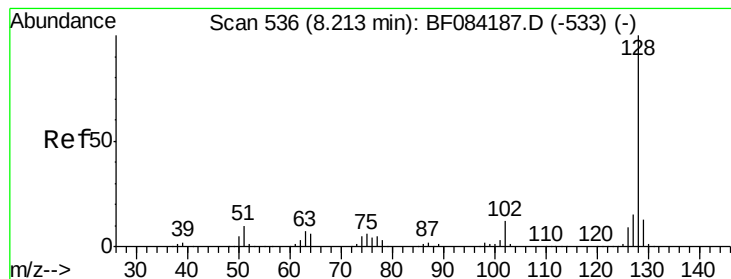
Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	180	Resp:	401214
Ion Ratio	Lower	Upper	
180	100		
182	94.9	76.4	114.6
145	33.5	31.6	47.4





#31

Naphthalene

Concen: 36.80 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

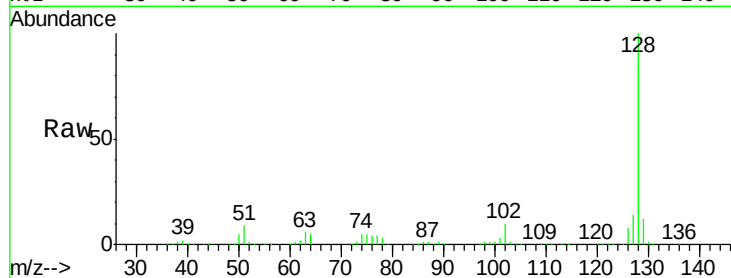
ClientSampleId :

PB87925BS

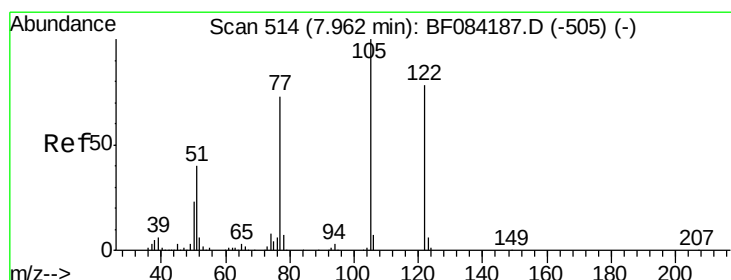
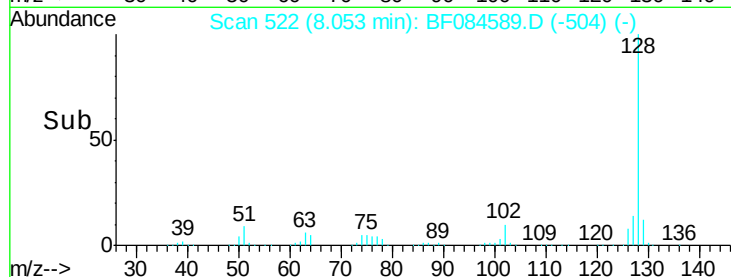
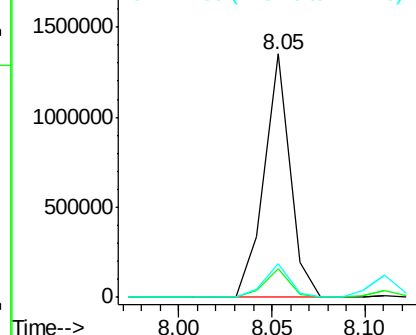
Tot Ion:	128	Resp:	1292421
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.1	13.7
127	13.7	11.1	16.7

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 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: 34.34 ng

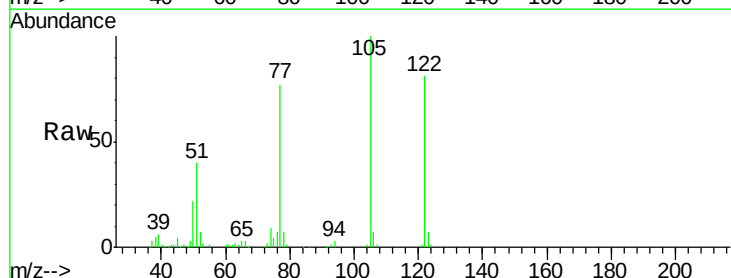
RT: 7.82 min Scan# 502

Delta R.T. -0.07 min

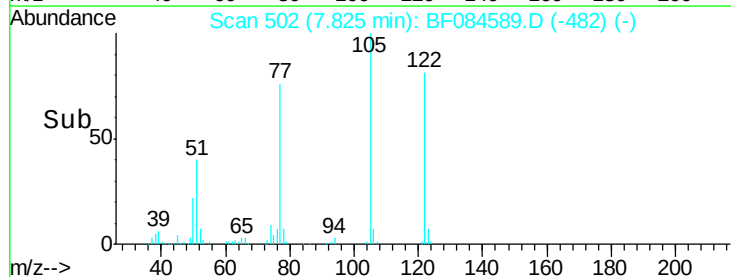
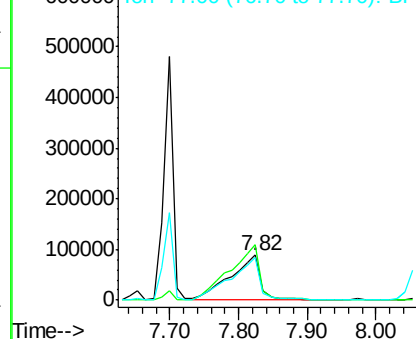
Lab File: BF084589.D

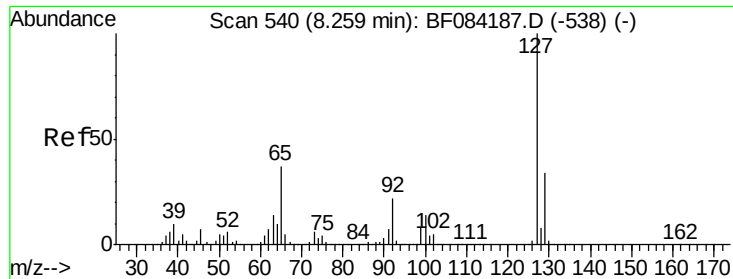
Acq: 22 Jan 2016 15:09

Tgt Ion:	122	Resp:	269927
Ion	Ratio	Lower	Upper
122	100		
105	123.7	100.3	140.3
77	95.2	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





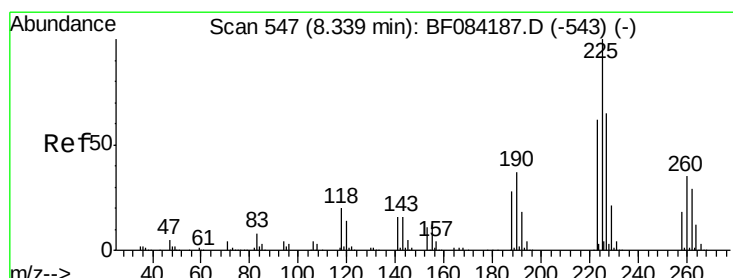
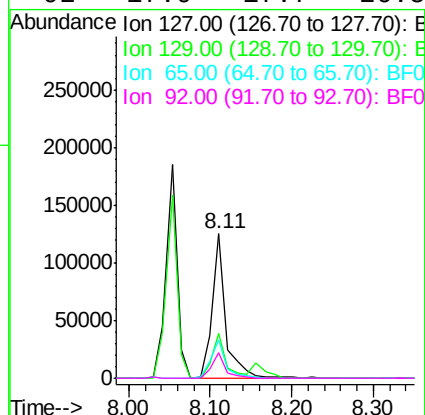
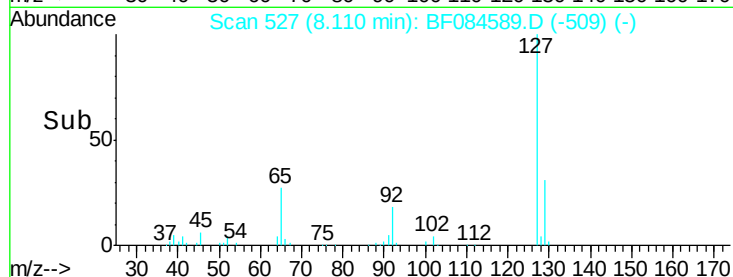
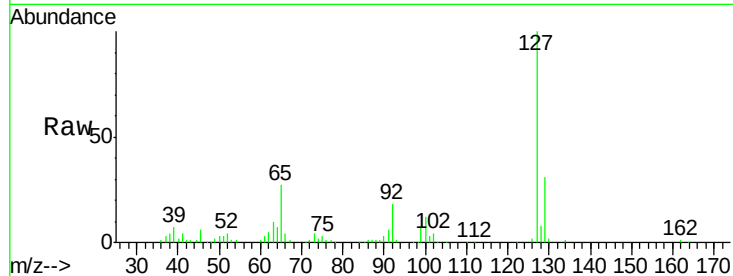
#33
4-Chloroaniline
Concen: 9.17 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampled :
PB87925BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.4	26.5	39.7	
65	26.8	27.2	40.8	
92	17.9	17.7	26.5	

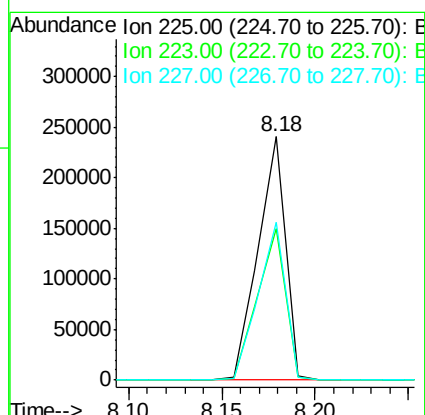
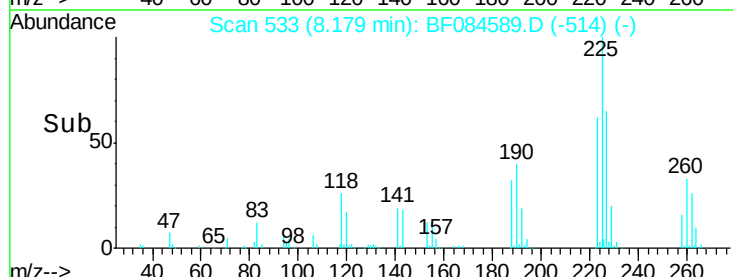
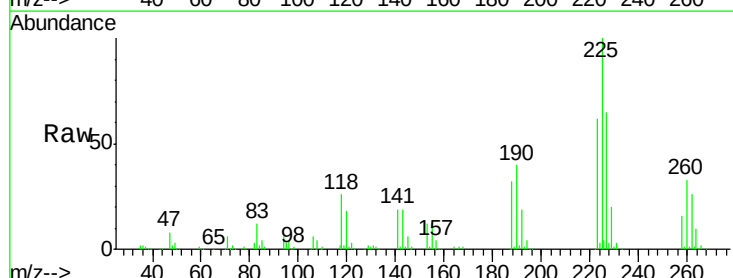
Manual Integrations
APPROVED

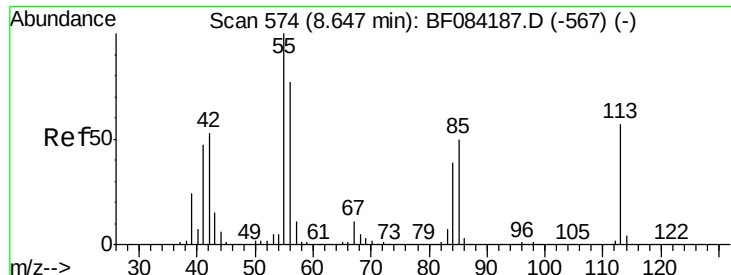
mohammad
1/25/2016 2:58:48 PM



#34
Hexachlorobutadiene
Concen: 37.99 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	49.4	74.0	
227	64.6	50.8	76.2	





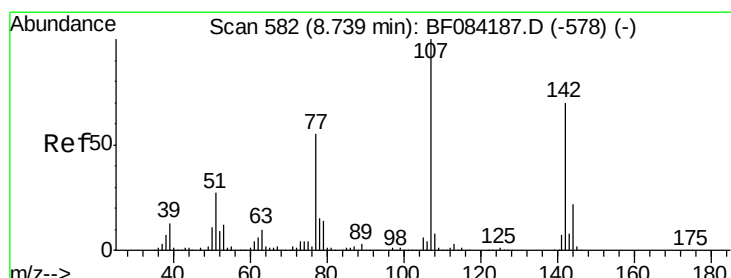
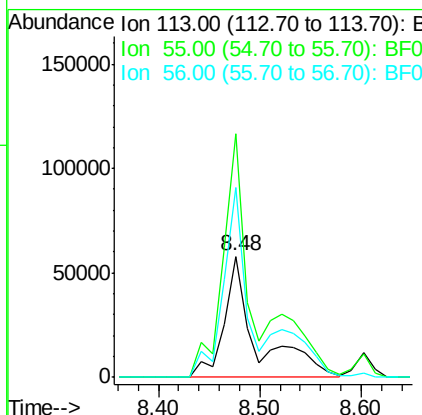
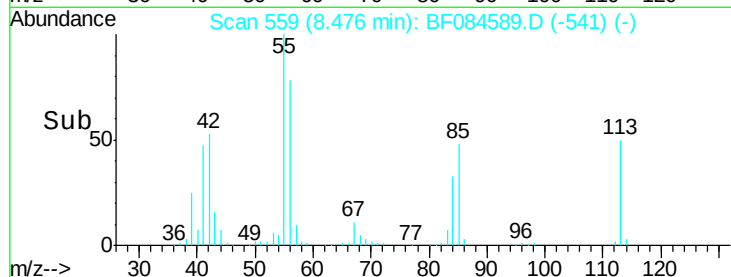
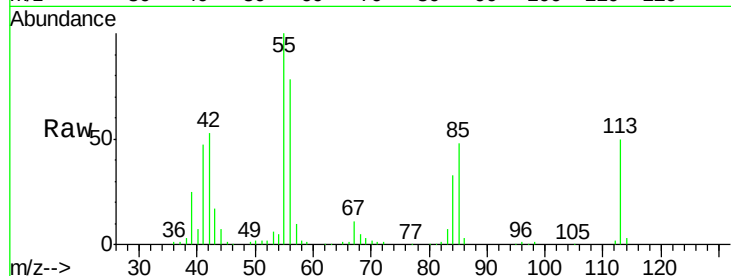
#35
 Caprolactam
 Concen: 35.65 ng/ml
 RT: 8.48 min Scan# 559
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Instrument :
 BNA_F
 ClientSampleID :
 PB87925BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	200.8	116.9	156.9#
56	156.3	93.8	133.8#

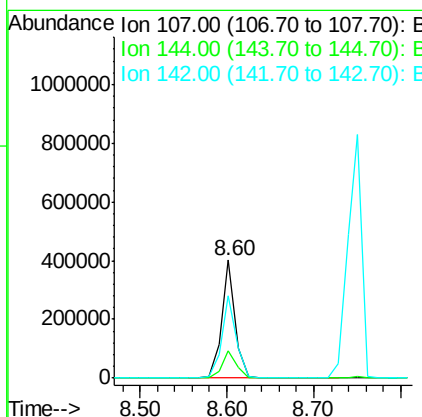
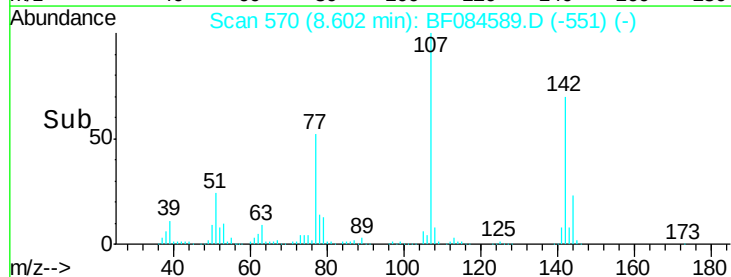
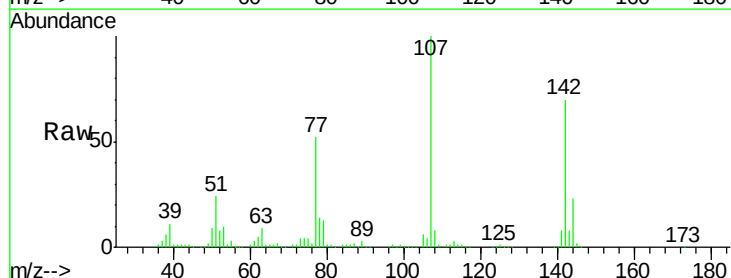
Manual Integrations
 APPROVED

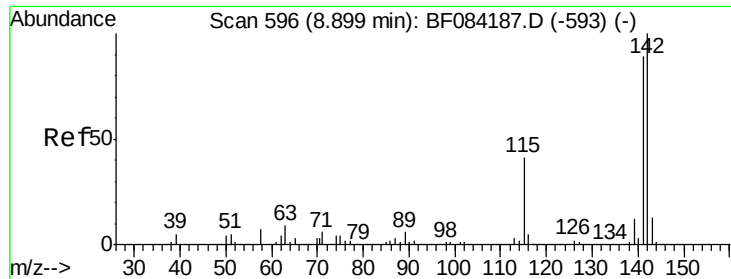
mohammad
 1/25/2016 2:58:48 PM



#36
 4-Chloro-3-methylphenol
 Concen: 35.98 ng/ml
 RT: 8.60 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.0	19.7	29.5
142	69.6	61.8	92.6





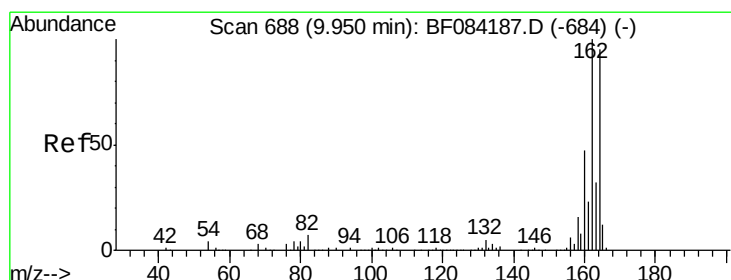
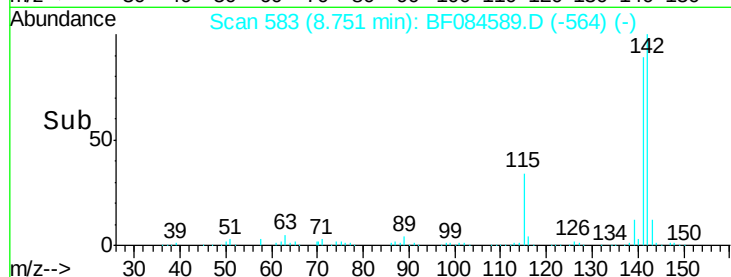
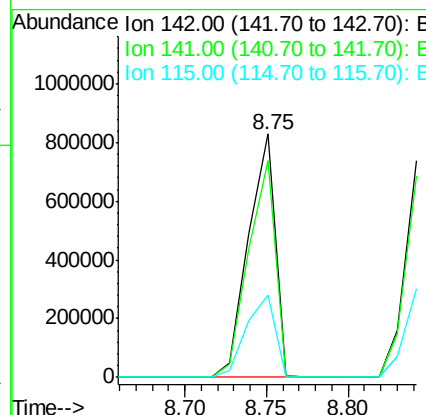
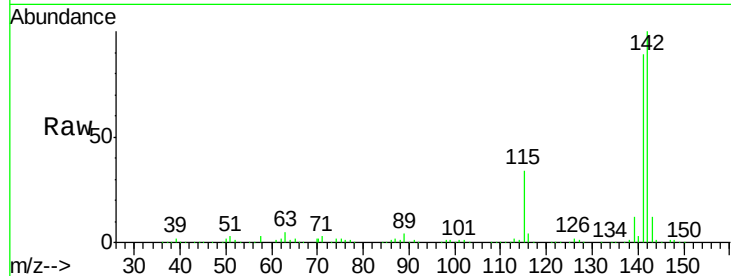
#37
2-Methylnaphthalene
Concen: 37.56 ng
RT: 8.75 min Scan# 583
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.4	108.6
115	33.8	27.9	41.9

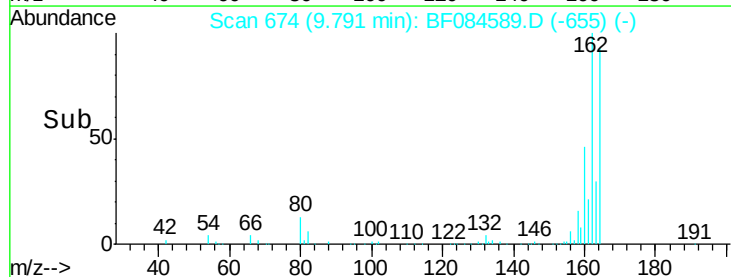
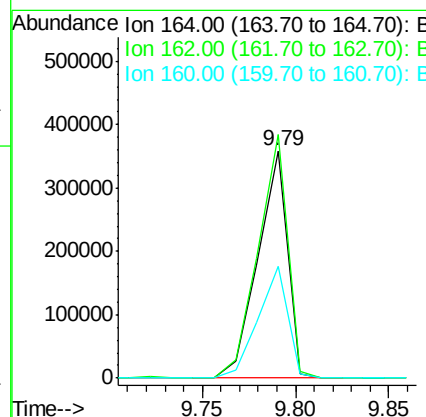
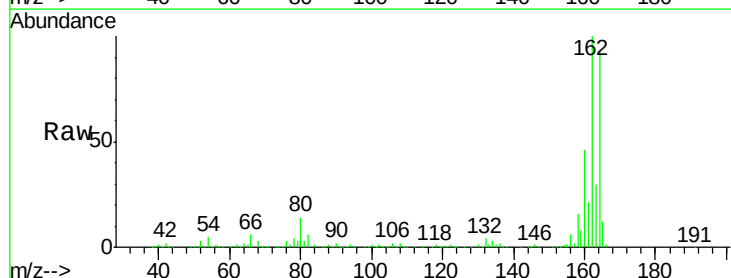
Manual Integrations
APPROVED

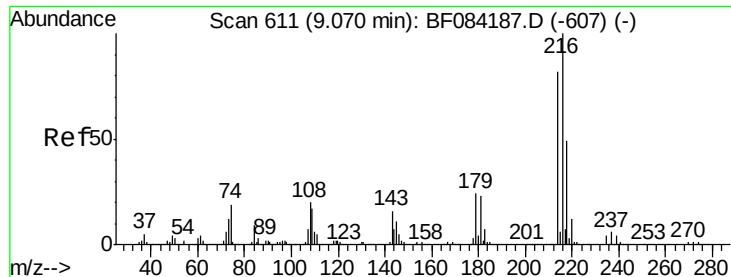
mohammad
1/25/2016 2:58:48 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.0	85.1	127.7
160	49.2	37.5	56.3





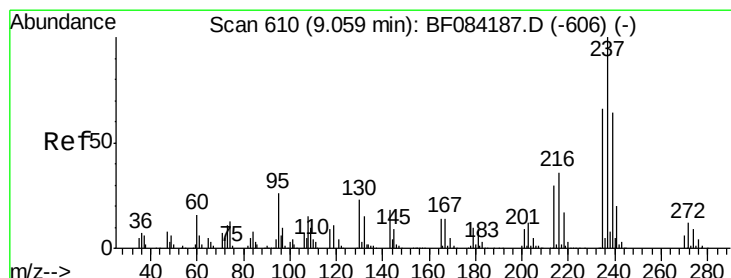
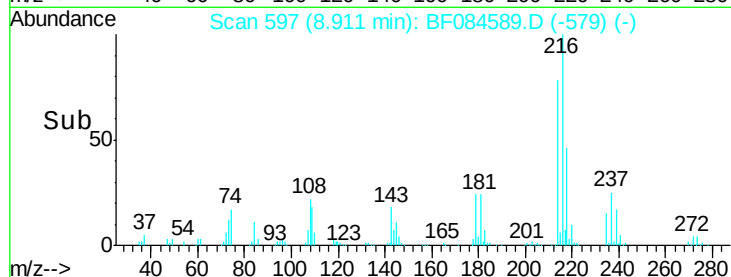
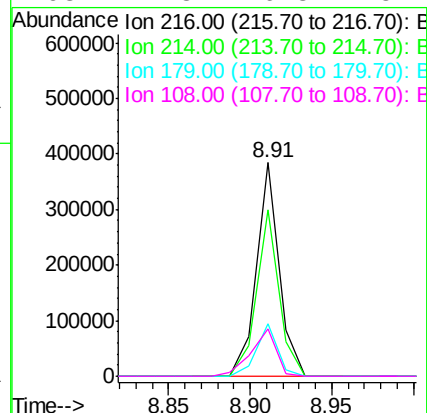
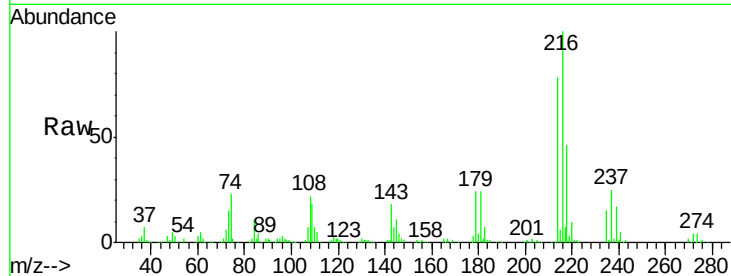
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 32.90 ng
 RT: 8.91 min Scan# 597
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		370271		
214	77.4	64.2	96.2		
179	23.2	18.7	28.1		
108	24.8	16.8	25.2		

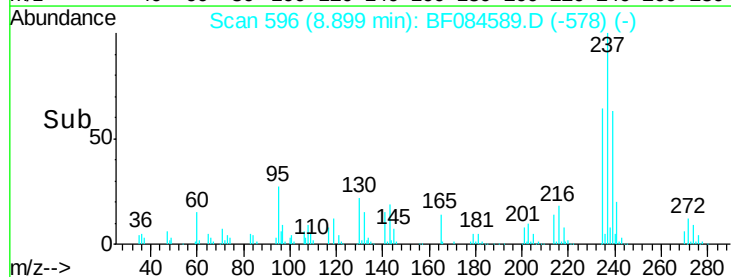
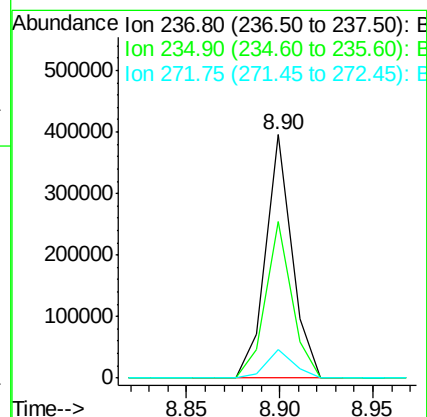
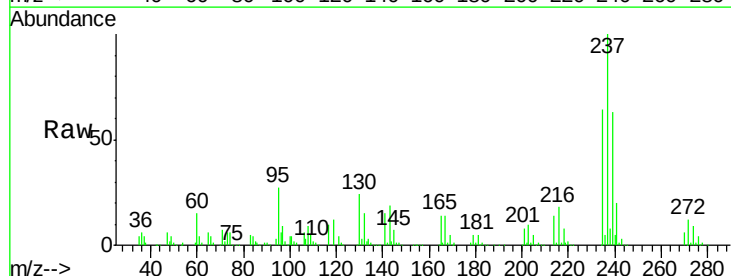
Manual Integrations
 APPROVED

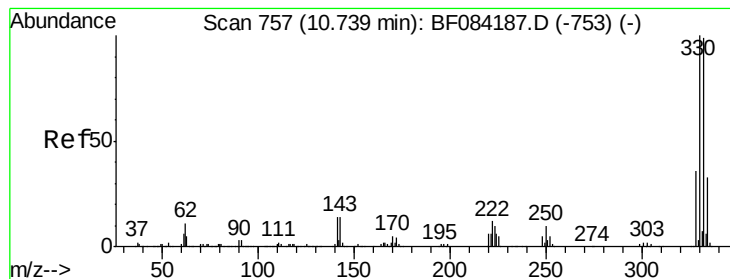
mohammad
 1/25/2016 2:58:48 PM



#40
 Hexachlorocyclopentadiene
 Concen: 56.93 ng
 RT: 8.90 min Scan# 596
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		386777		
235	64.1	43.1	83.1		
272	11.9	0.0	35.1		





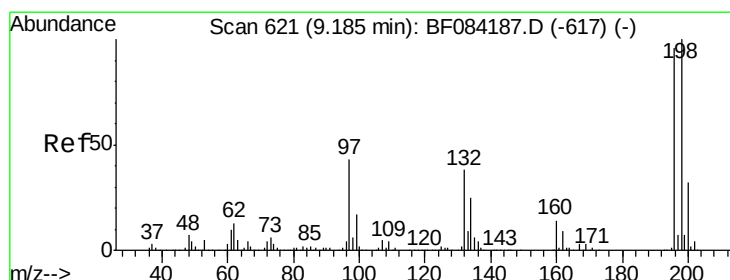
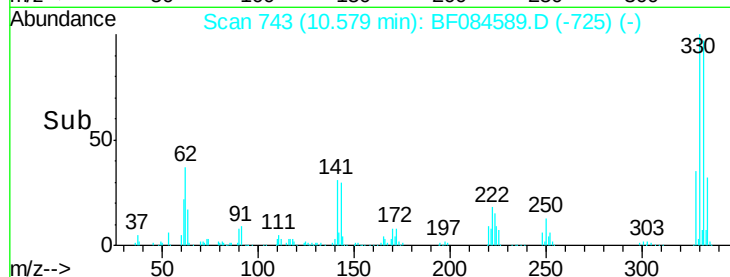
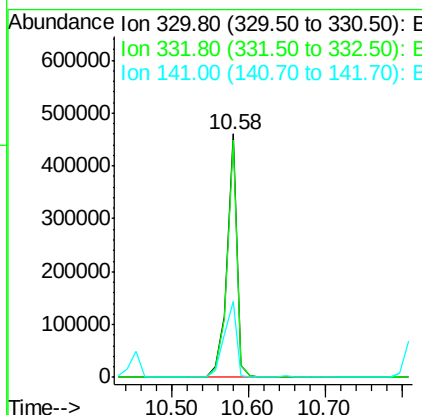
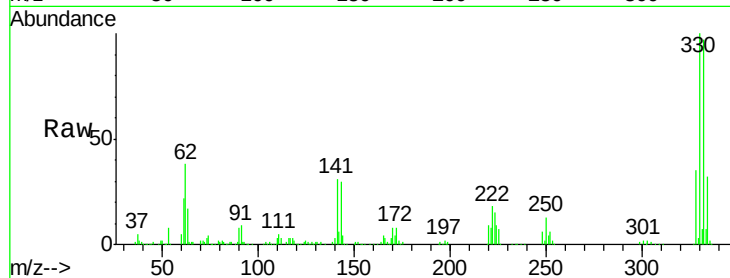
#41
 2,4,6-Tribromophenol
 Concen: 108.81 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	114.8
141	38.8	27.8	41.6

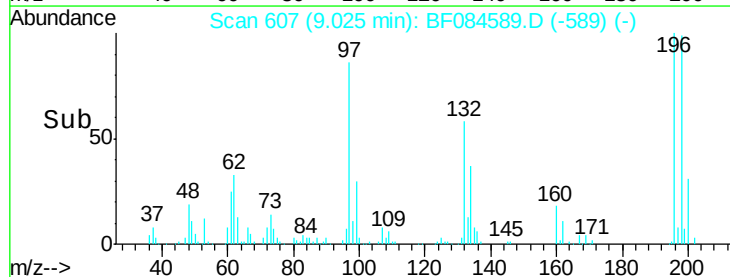
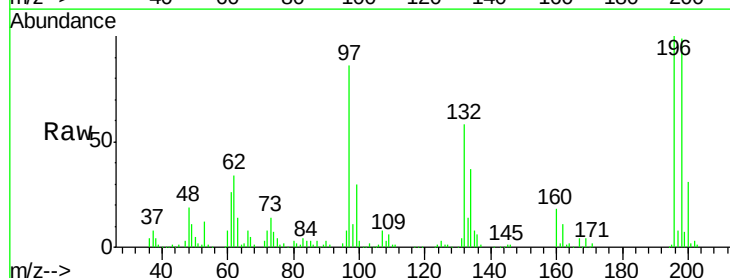
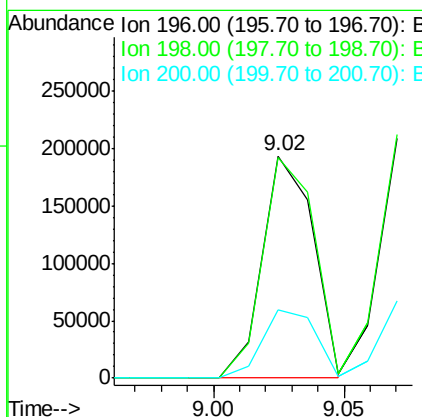
Manual Integrations
 APPROVED

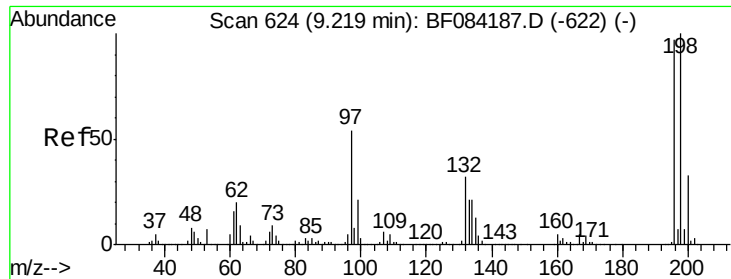
mohammad
 1/25/2016 2:58:48 PM



#42
 2,4,6-Trichlorophenol
 Concen: 31.34 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.4	77.7	116.5
200	31.0	24.6	37.0





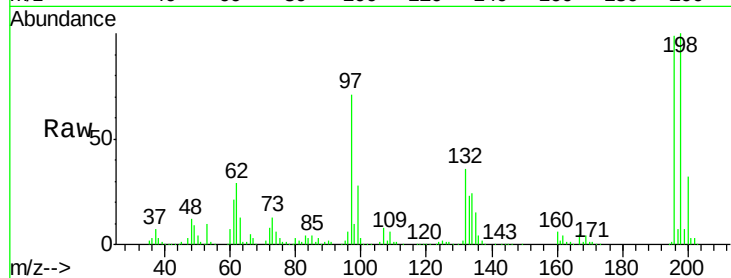
#43
 2,4,5-Trichlorophenol
 Concen: 34.78 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

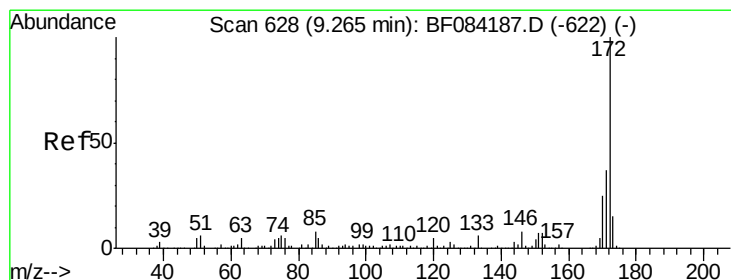
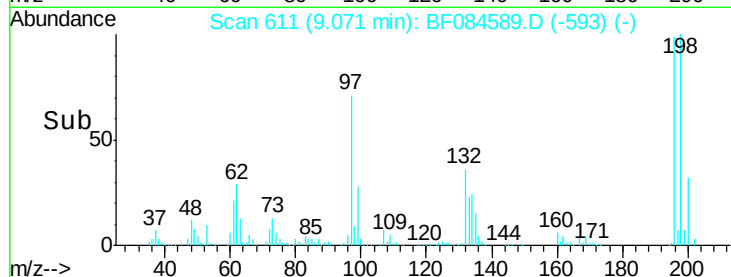
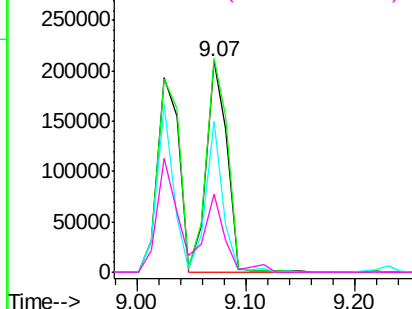
Tot Ion:	196	Resp:	280758
Ion Ratio	Lower	Upper	
196	100		
198	101.3	79.0	118.6
97	71.7	33.0	49.6#
132	36.9	21.1	31.7#

Manual Integrations
 APPROVED

mohammad
 1/25/2016 2:58:48 PM



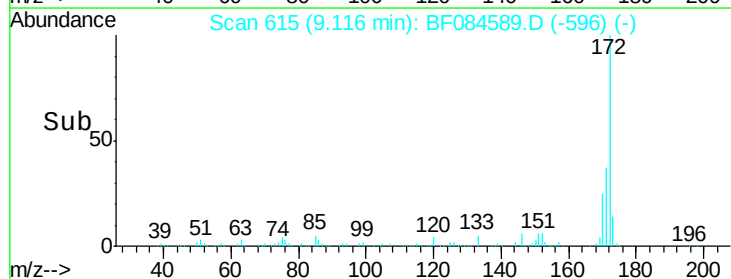
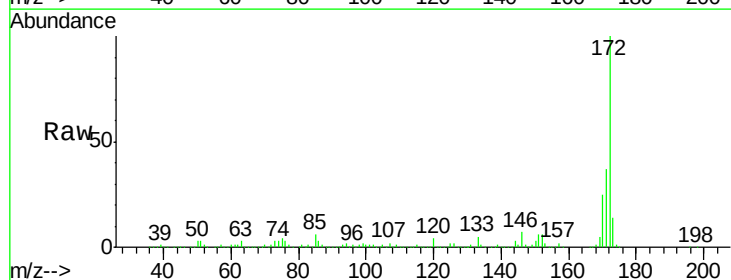
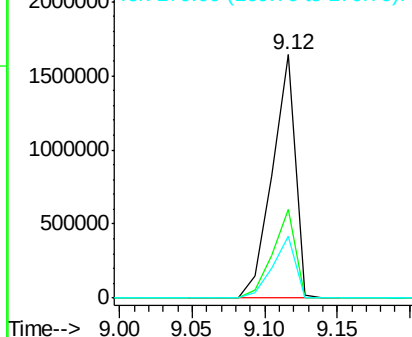
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

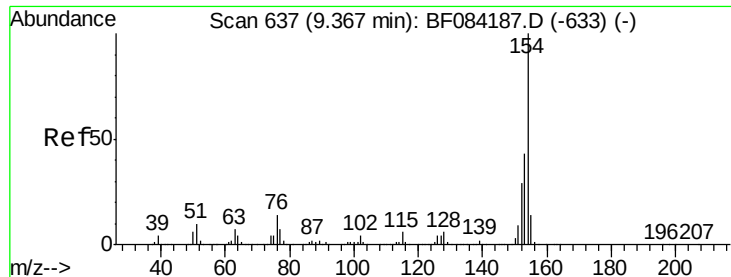


#44
 2-Fluorobiphenyl
 Concen: 81.12 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.08 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tgt Ion:	172	Resp:	1811556
Ion Ratio	Lower	Upper	
172	100		
171	36.7	28.9	43.3
170	25.2	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: 33.88 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

ClientSampled :

PB87925BS

Tot Ion:154 Resp: 1054180

Ion Ratio Lower Upper

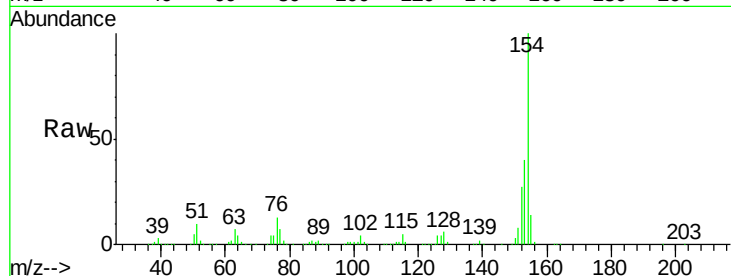
154 100

153 40.2 21.6 61.6

76 13.2 0.0 32.7

Manual Integrations
APPROVED

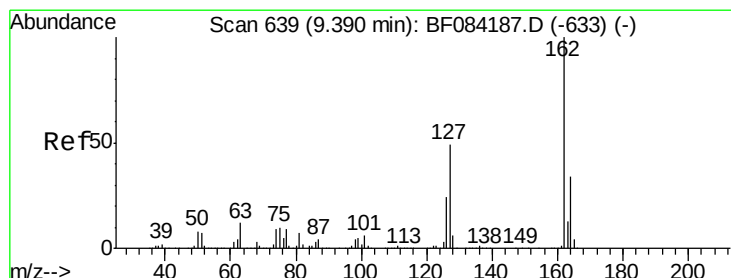
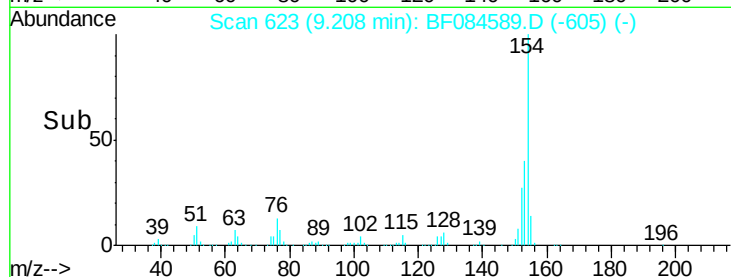
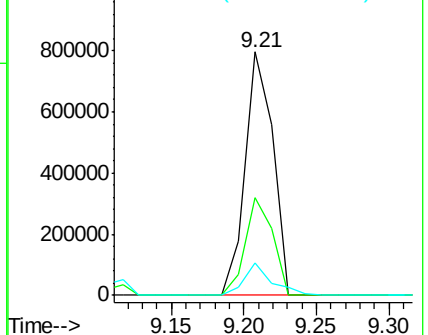
mohammad
1/25/2016 2:58:48 PM



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: 32.91 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

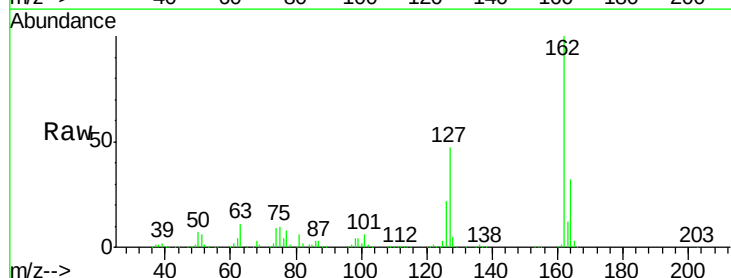
Tgt Ion:162 Resp: 804243

Ion Ratio Lower Upper

162 100

127 46.7 40.2 60.4

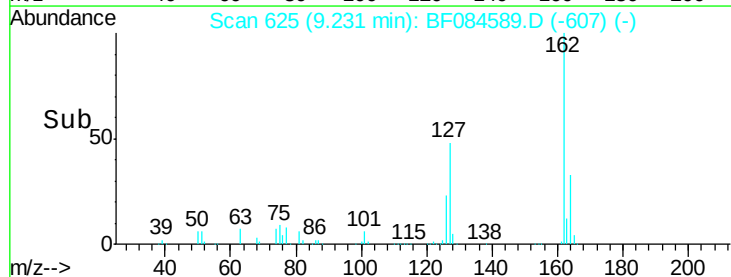
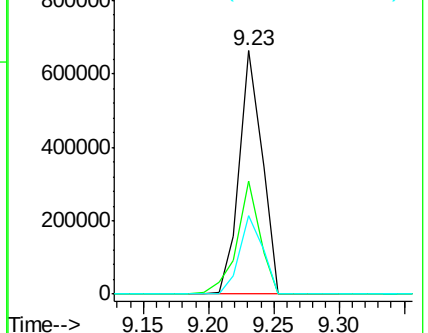
164 32.3 25.7 38.5

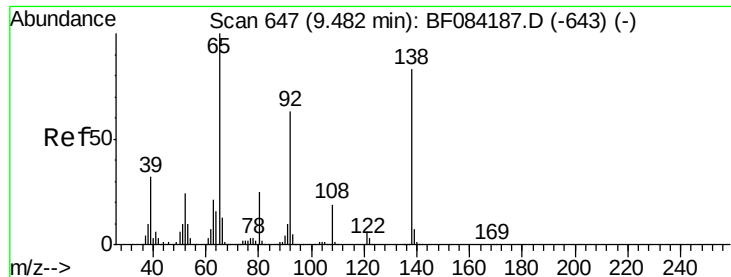


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





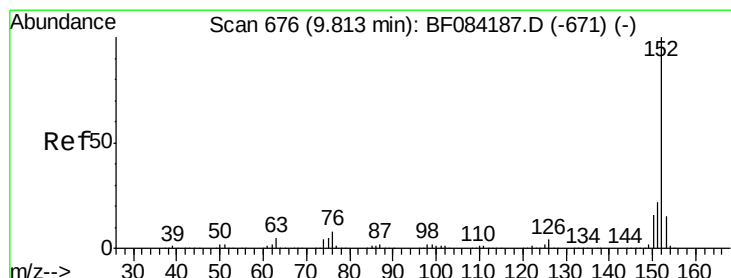
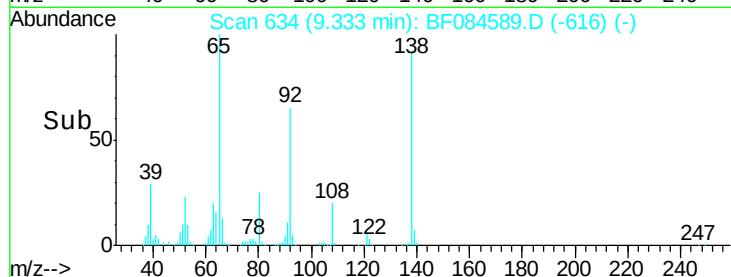
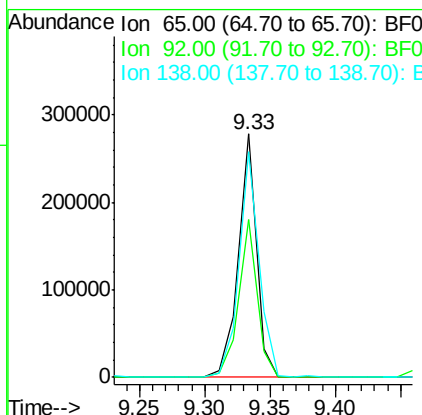
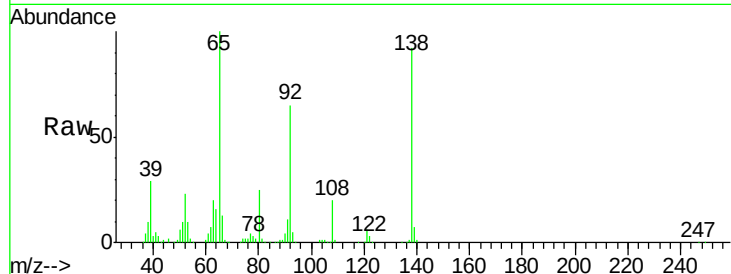
#47
2-Nitroaniline
Concen: 33.21 ng
RT: 9.33 min Scan# 634
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	65.0	53.4	80.2
138	92.5	71.1	106.7

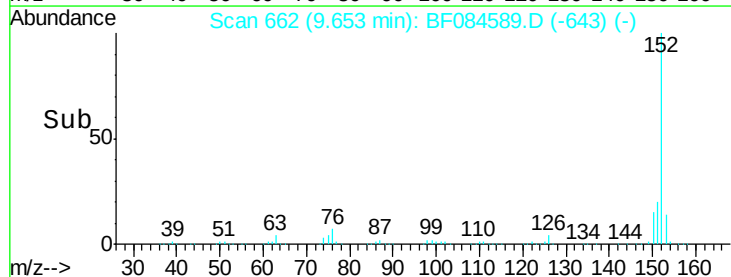
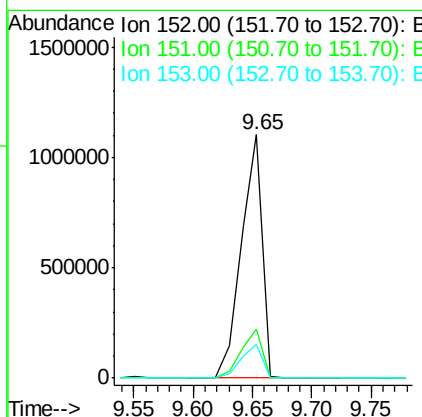
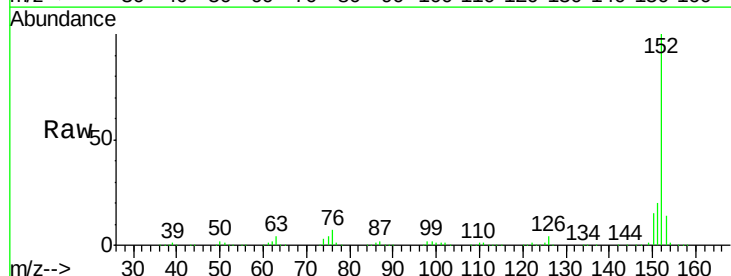
Manual Integrations
APPROVED

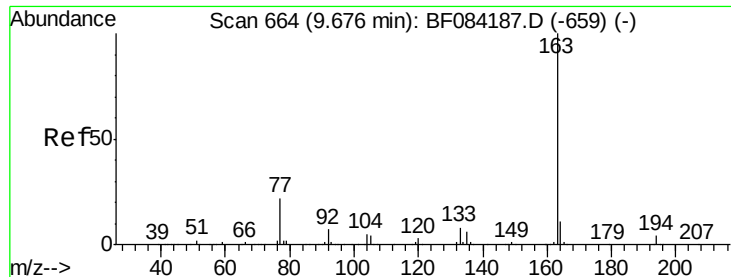
mohammad
1/25/2016 2:58:48 PM



#48
Acenaphthylene
Concen: 37.12 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	14.1	10.4	15.6





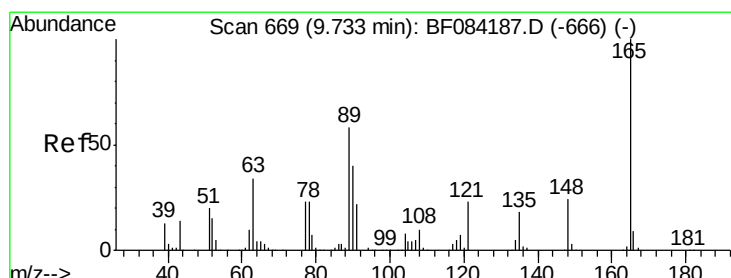
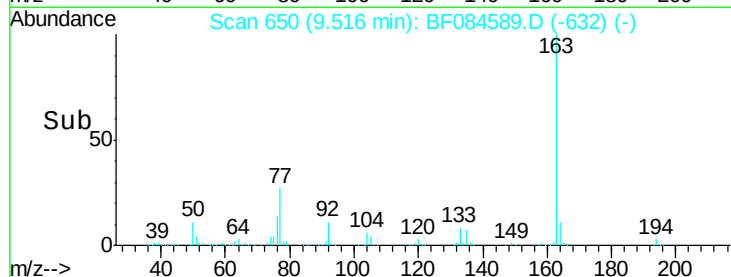
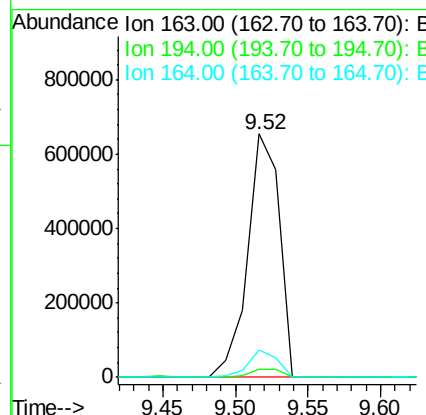
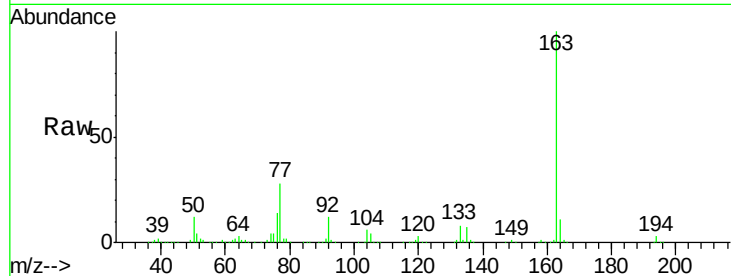
#49
Dimethylphthalate
Concen: 35.30 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	988041		
194	3.1	8.0	12.0	
164	11.2	8.0	12.0	

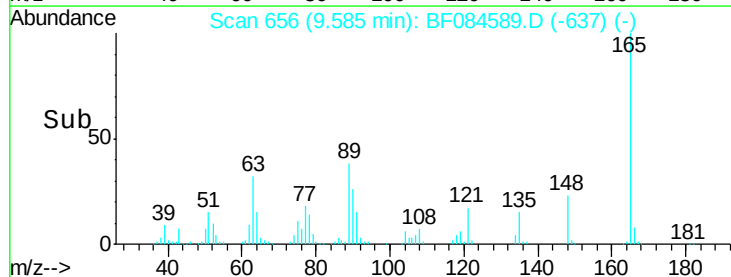
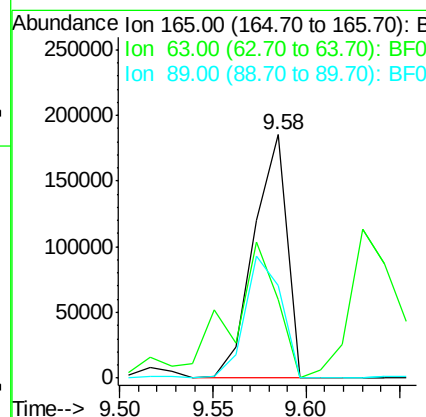
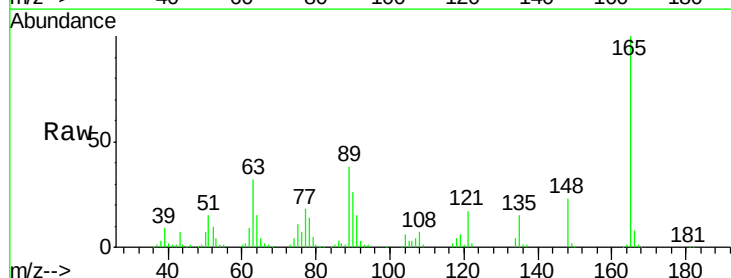
Manual Integrations
APPROVED

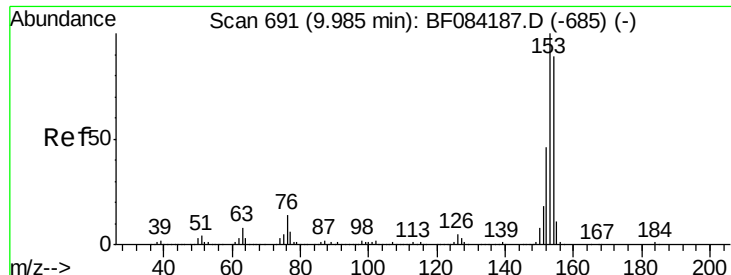
mohammad
1/25/2016 2:58:48 PM



#50
2,6-Dinitrotoluene
Concen: 36.99 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	227037		
63	32.1	28.8	43.2	
89	38.2	35.1	52.7	





#51

Acenaphthene

Concen: 37.46 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

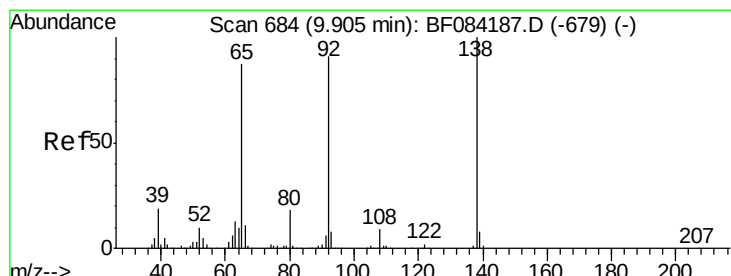
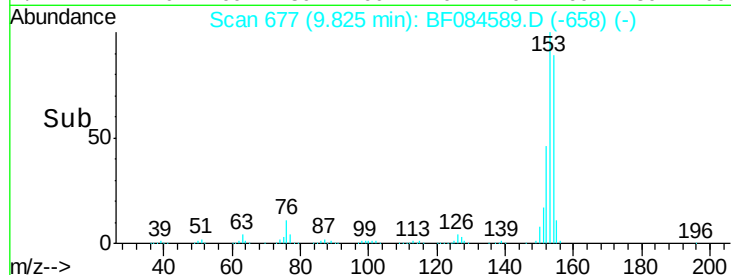
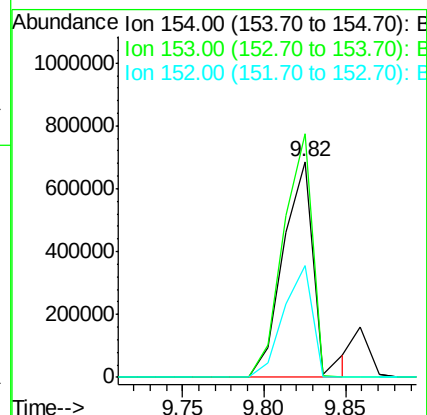
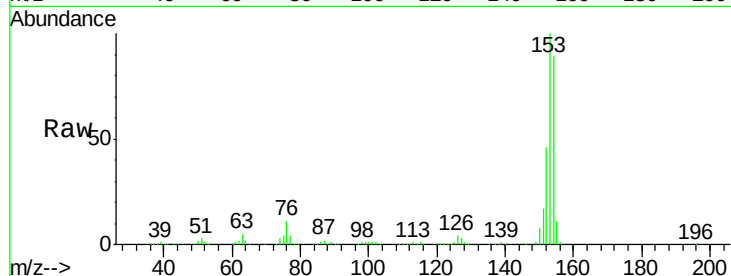
ClientSampled :

PB87925BS

Tot Ion:	154	Resp:	907358
Ion Ratio	Lower	Upper	
154	100		
153	112.8	91.5	137.3
152	51.8	43.0	64.6

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#52

3-Nitroaniline

Concen: 13.71 ng

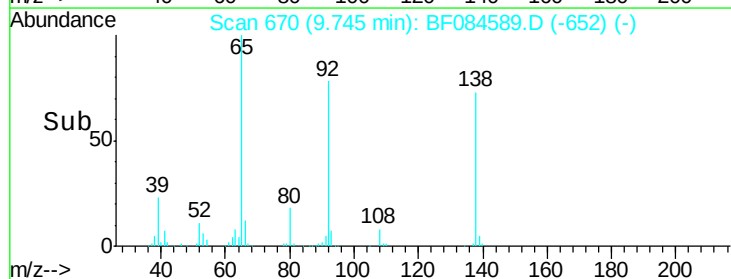
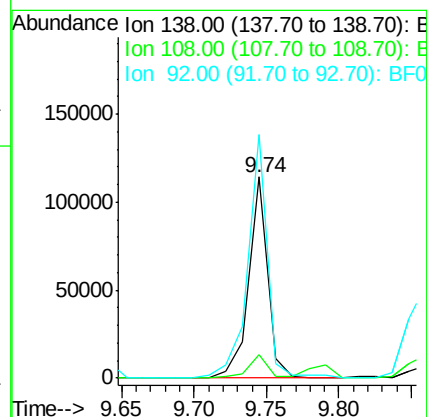
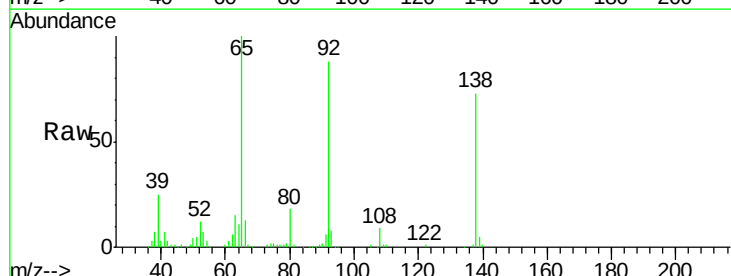
RT: 9.74 min Scan# 670

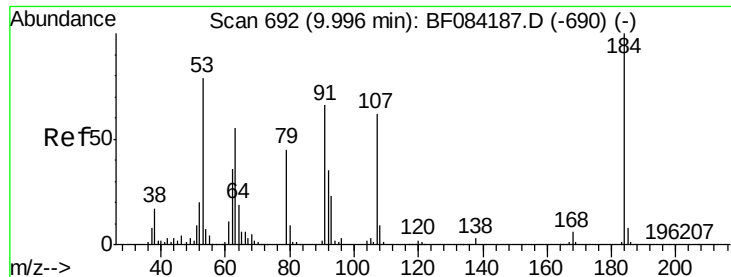
Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	138	Resp:	104283
Ion Ratio	Lower	Upper	
138	100		
108	11.7	10.5	15.7
92	121.2	103.9	155.9





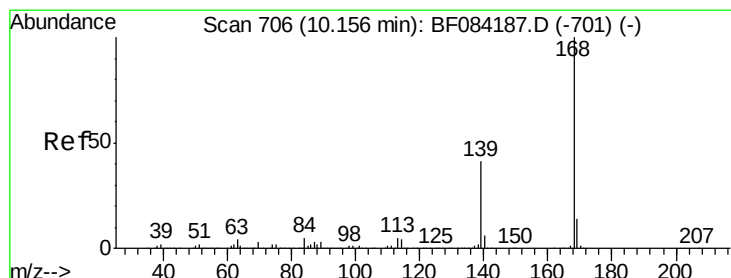
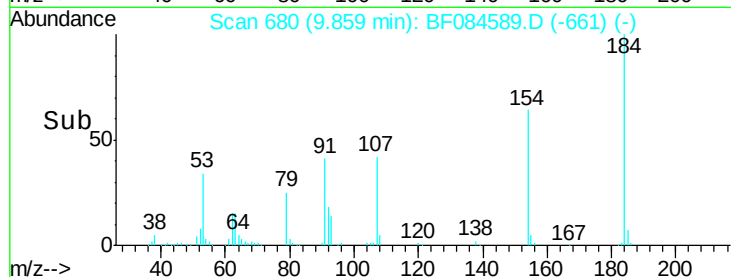
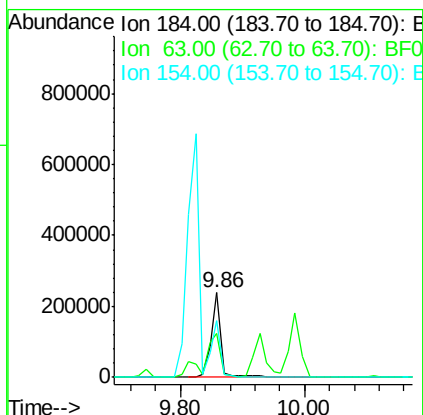
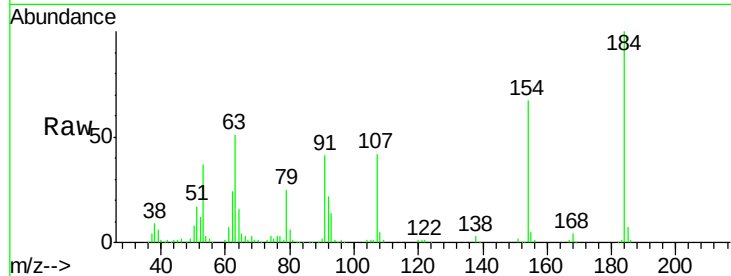
#53
2,4-Dinitrophenol
Concen: 97.56 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	257233		
63	51.3	43.1	64.7	
154	66.9	60.5	90.7	

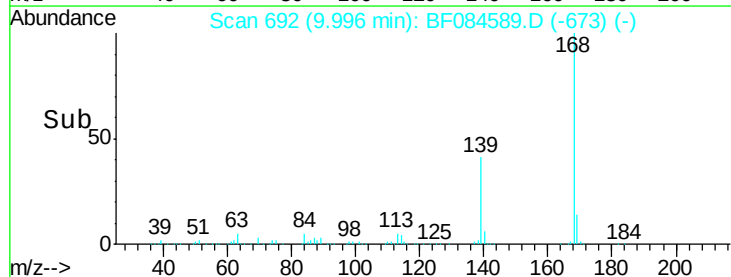
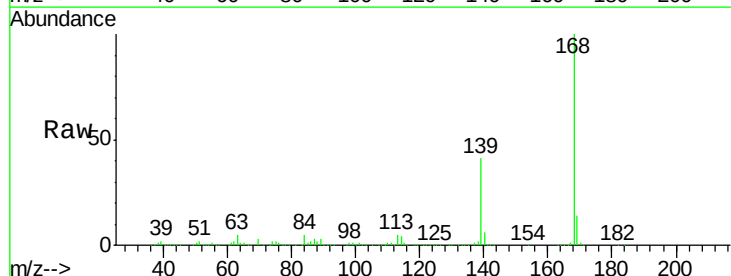
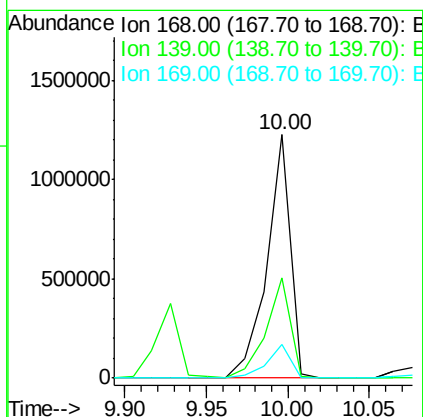
Manual Integrations
APPROVED

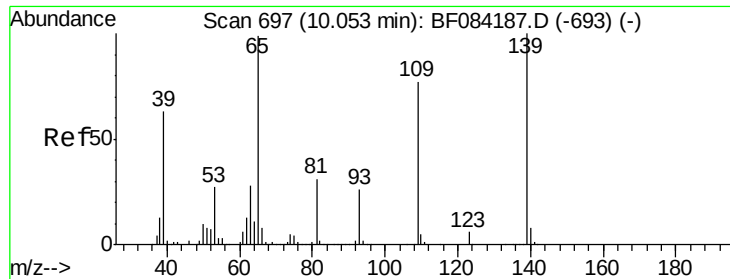
mohammad
1/25/2016 2:58:48 PM



#54
Dibenzofuran
Concen: 38.46 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1219914		
139	41.2	30.5	45.7	
169	13.8	10.4	15.6	





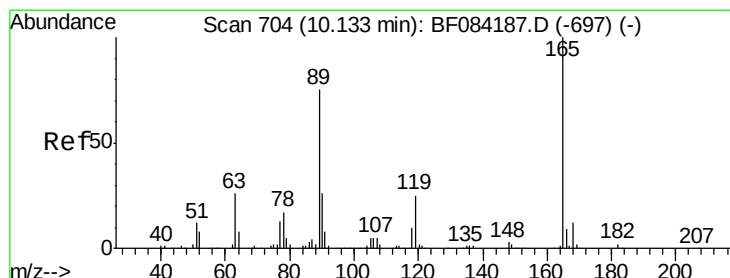
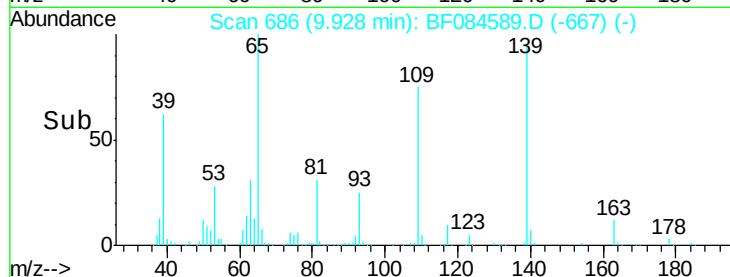
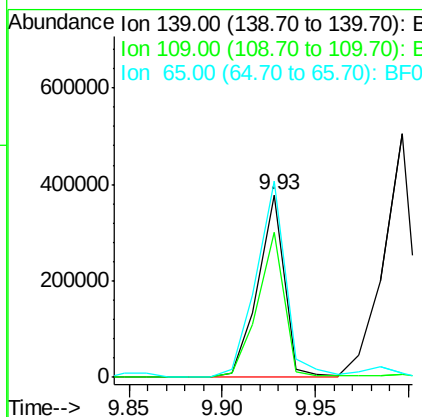
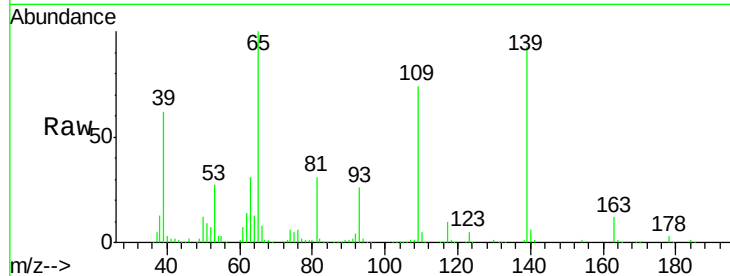
#55
4-Nitrophenol
Concen: 68.39 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	377602		
109	79.7	58.5	98.5	
65	107.2	57.6	97.6	

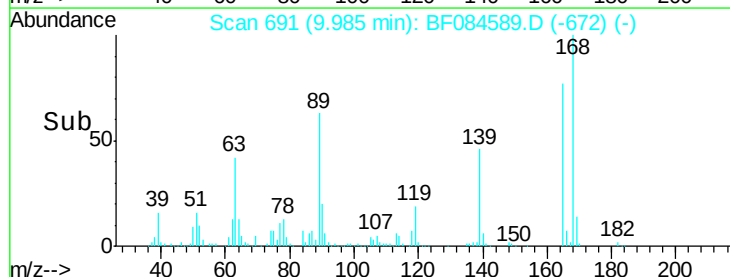
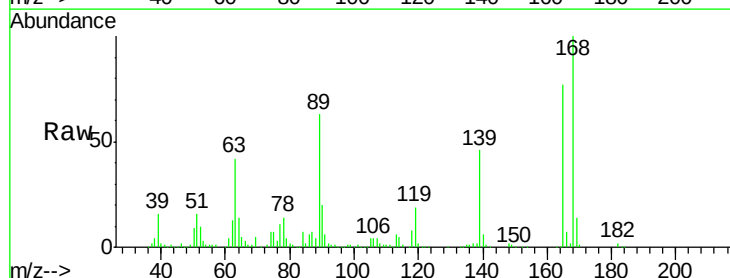
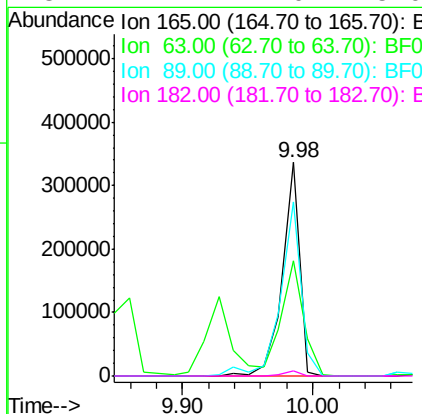
Manual Integrations
APPROVED

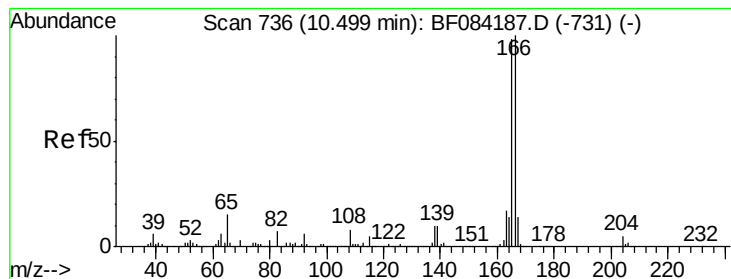
mohammad
1/25/2016 2:58:48 PM



#56
2,4-Dinitrotoluene
Concen: 40.45 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	314254		
63	54.2	36.7	55.1	
89	81.6	61.9	92.9	
182	2.2	2.0	3.0	





#57

Fluorene

Concen: 39.71 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

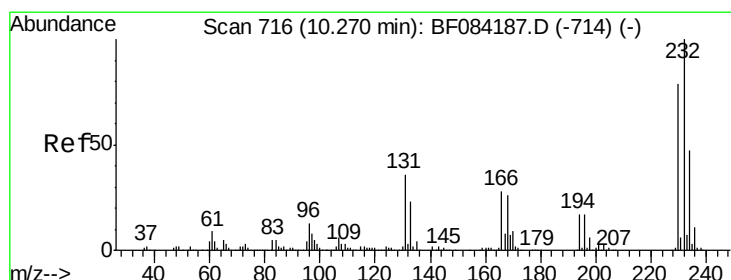
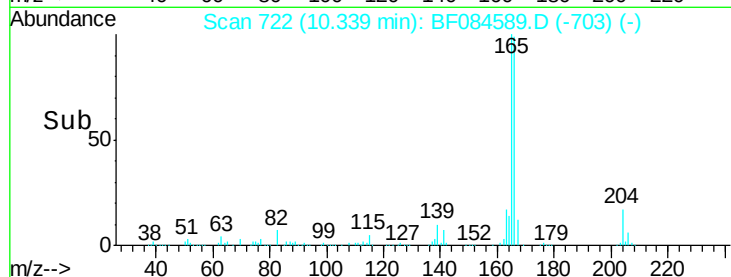
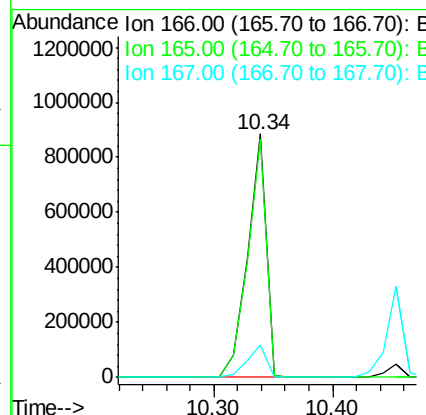
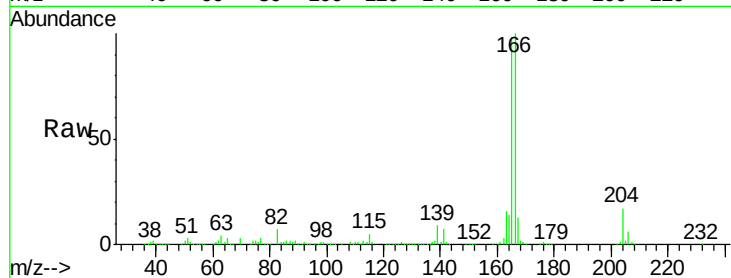
ClientSampleId :

PB87925BS

Tot Ion:	166	Resp:	970008
Ion Ratio	Lower	Upper	
166	100		
165	97.8	79.1	118.7
167	13.3	10.4	15.6

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 32.72 ng

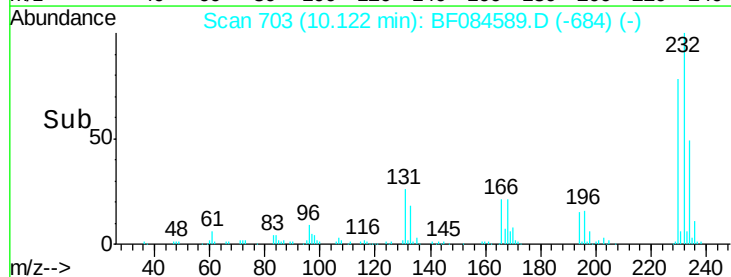
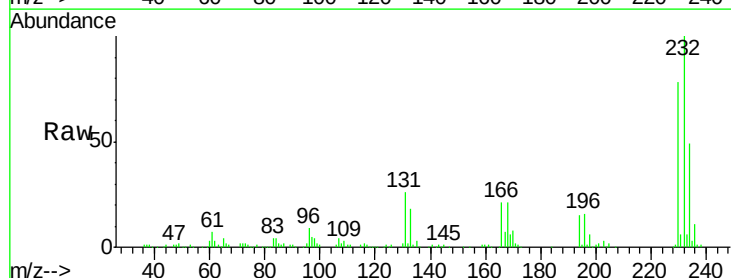
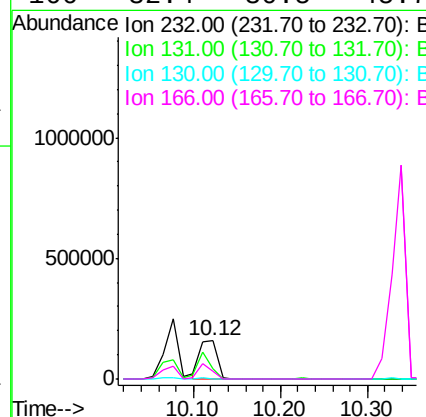
RT: 10.12 min Scan# 703

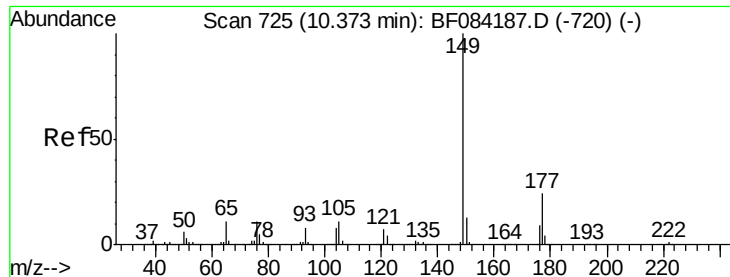
Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	232	Resp:	225501
Ion Ratio	Lower	Upper	
232	100		
131	52.3	47.0	70.6
130	2.7	2.0	3.0
166	32.4	30.5	45.7





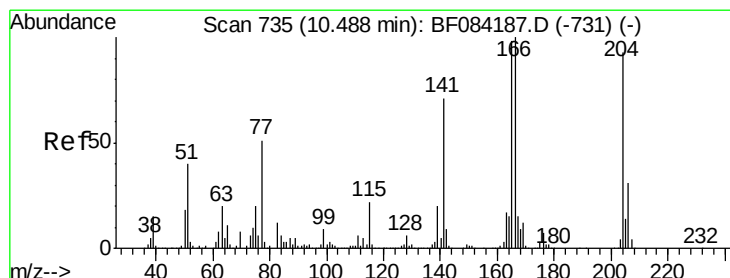
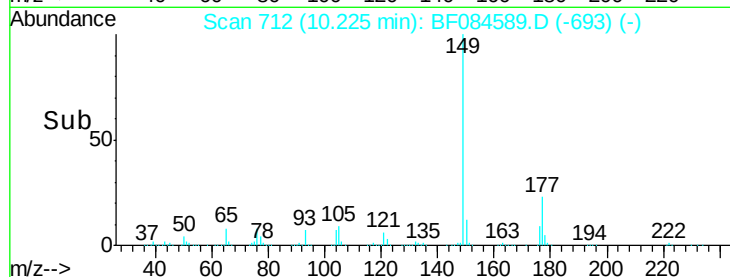
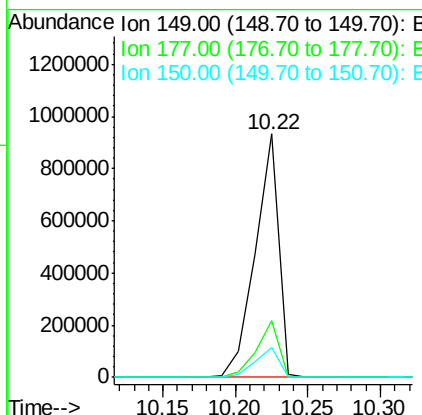
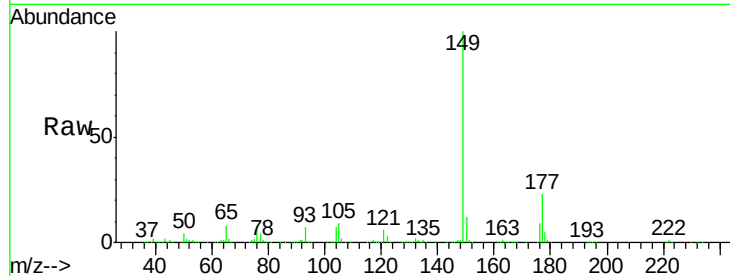
#59
Diethylphthalate
Concen: 38.03 ng
RT: 10.22 min Scan# 712
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Lower	Upper
149	100		
177	23.1	17.3	25.9
150	12.1	9.8	14.8

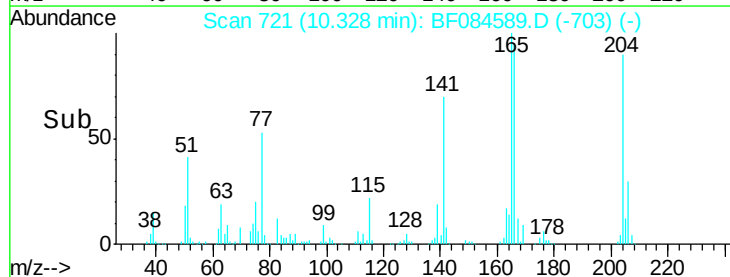
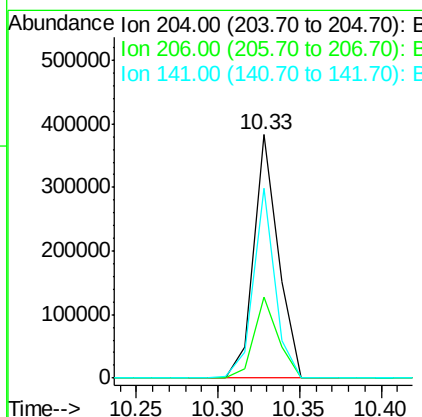
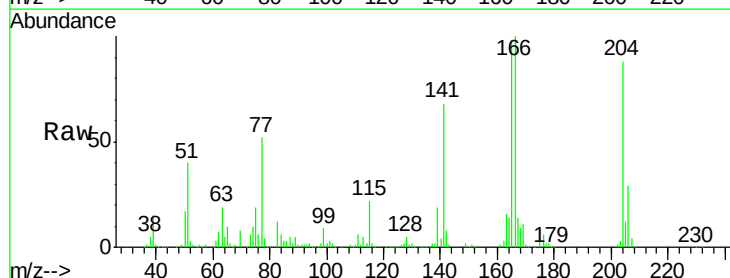
Manual Integrations
APPROVED

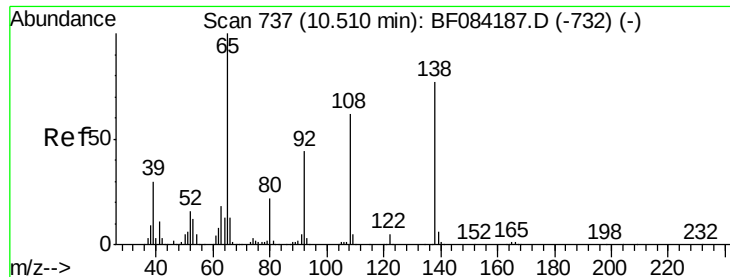
mohammad
1/25/2016 2:58:48 PM



#60
4-Chlorophenyl-phenylether
Concen: 37.97 ng
RT: 10.33 min Scan# 721
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.7	38.5
141	77.9	55.1	82.7





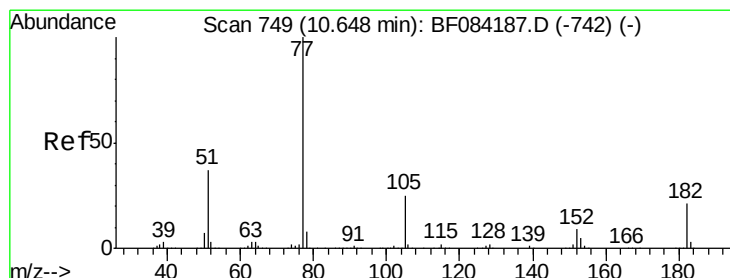
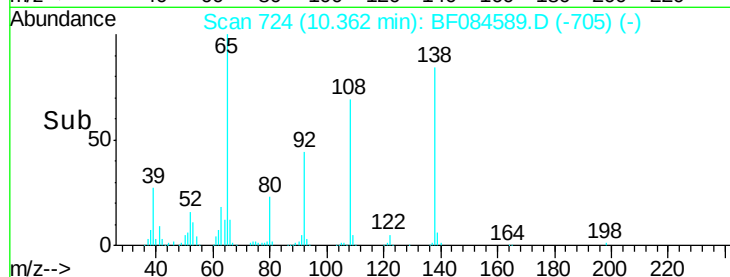
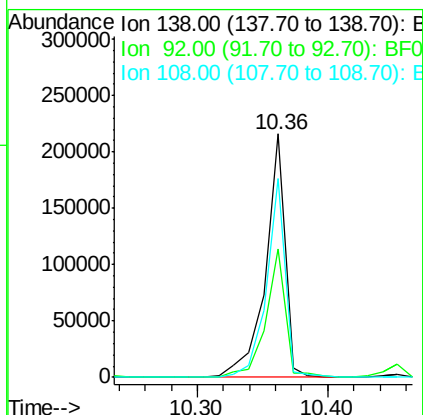
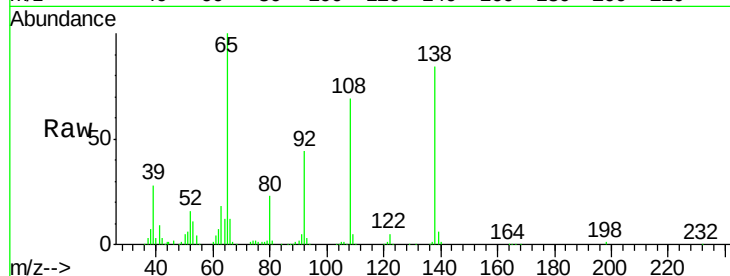
#61
4-Nitroaniline
Concen: 33.83 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.08 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	52.6	32.6	72.6
108	81.7	68.6	108.6

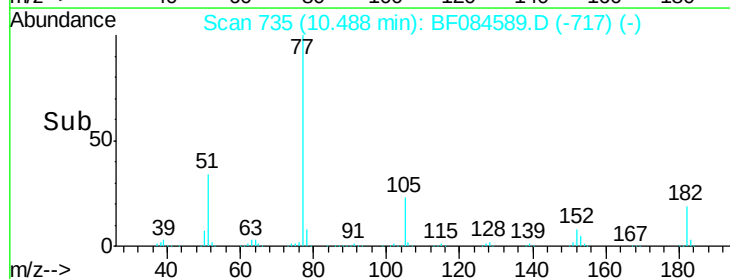
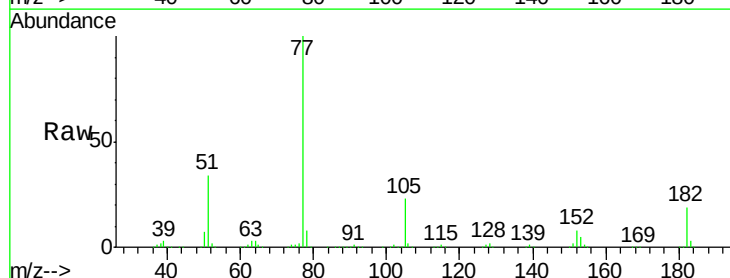
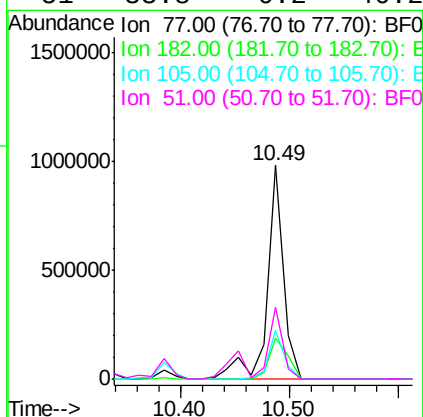
Manual Integrations
APPROVED

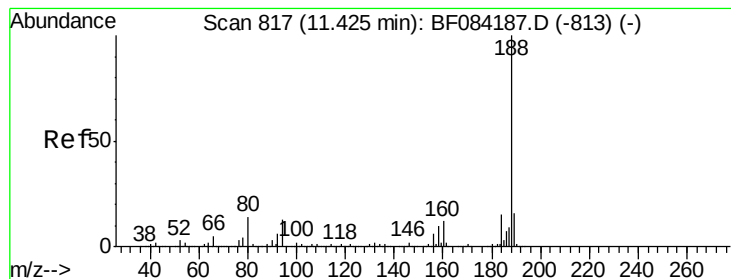
mohammad
1/25/2016 2:58:48 PM



#62
Azobenzene
Concen: 34.36 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Lower	Upper
77	100		
182	19.3	8.3	48.3
105	22.7	4.6	44.6
51	33.8	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.27 min Scan# 803

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

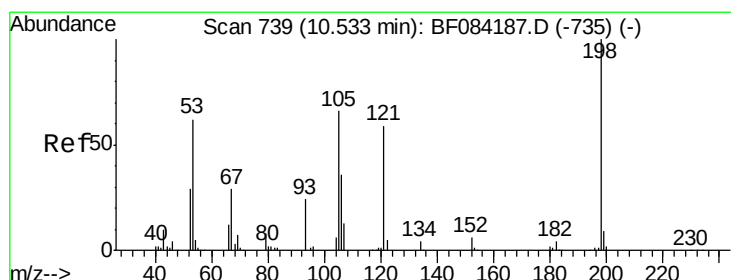
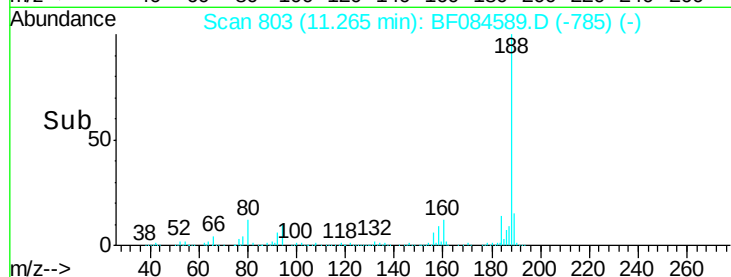
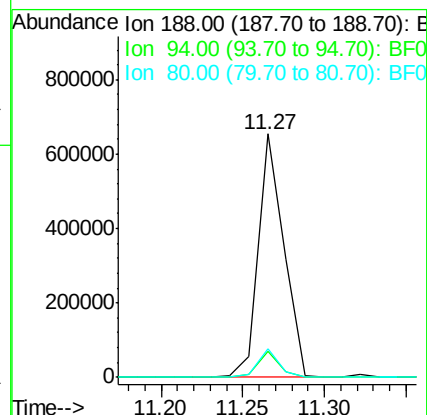
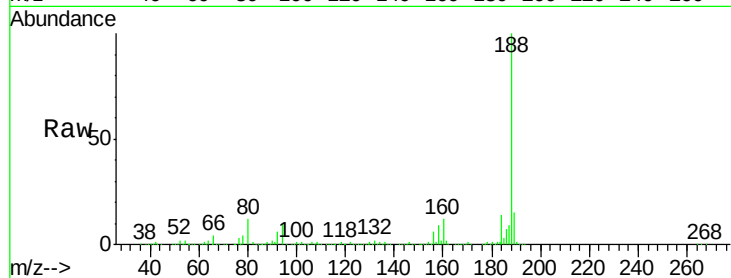
ClientSampleId :

PB87925BS

Tot Ion	188	Resp	711975
Ion Ratio	Lower	Upper	
188	100		
94	10.5	9.0	13.4
80	11.6	9.6	14.4

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 35.29 ng

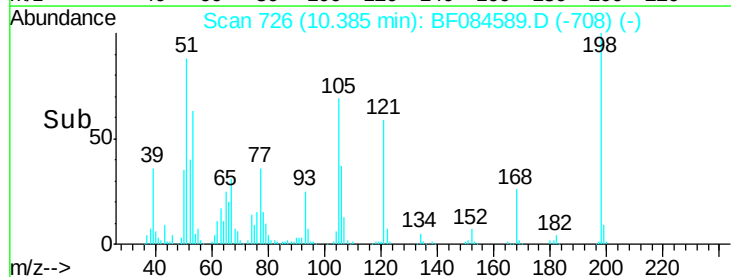
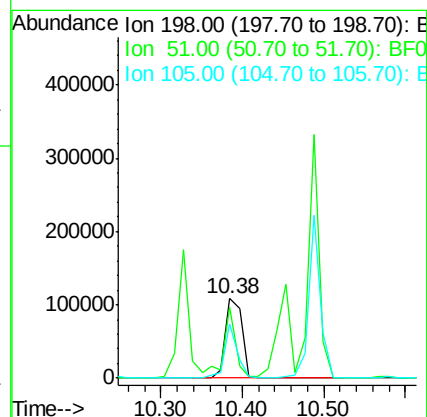
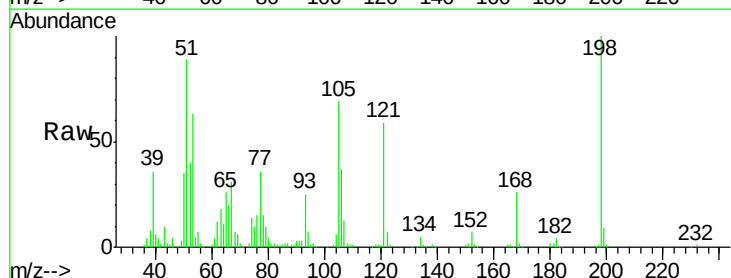
RT: 10.38 min Scan# 726

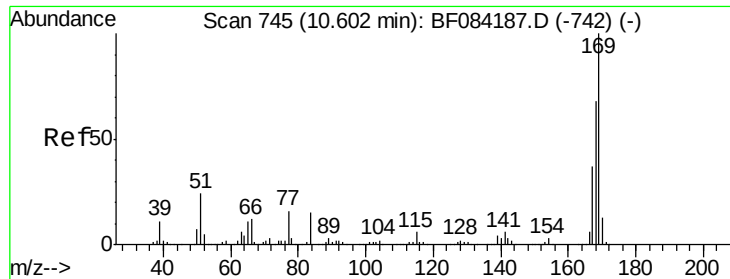
Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion	198	Resp	153026
Ion Ratio	Lower	Upper	
198	100		
51	88.9	18.9	58.9#
105	69.0	26.4	66.4#





#65

n-Nitrosodiphenylamine

Concen: 37.14 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

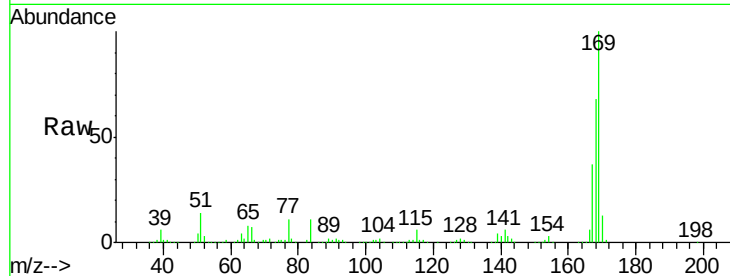
ClientSampleId :

PB87925BS

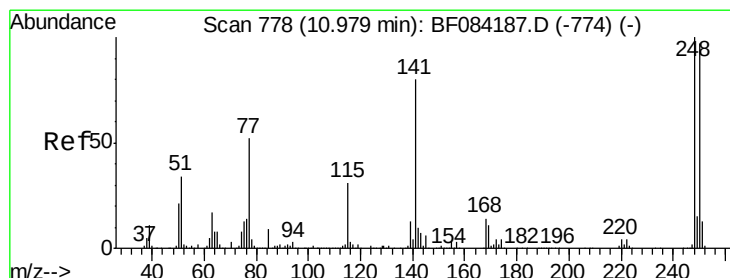
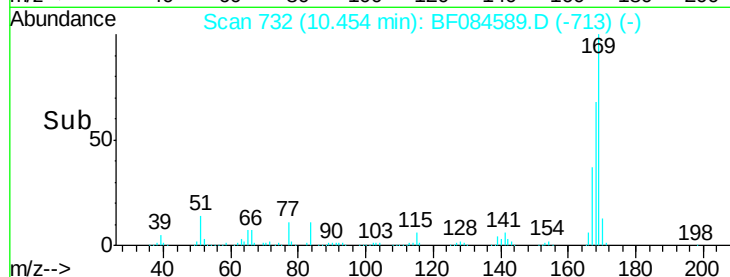
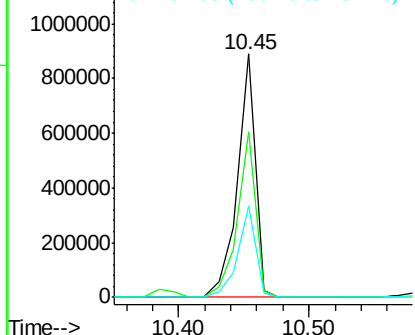
Tot Ion:	169	Resp:	845449
Ion Ratio	Lower	Upper	
169	100		
168	67.8	55.1	82.7
167	37.4	30.0	45.0

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 36.03 ng

RT: 10.82 min Scan# 764

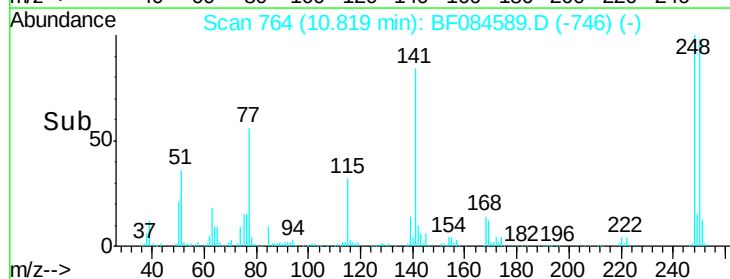
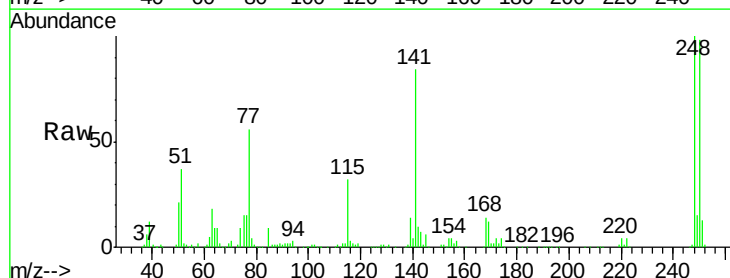
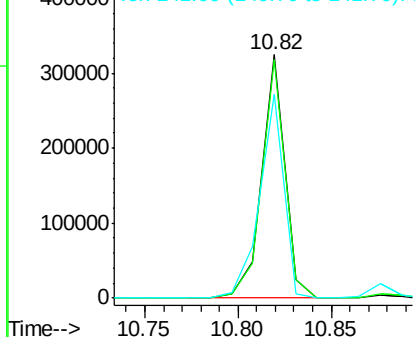
Delta R.T. -0.09 min

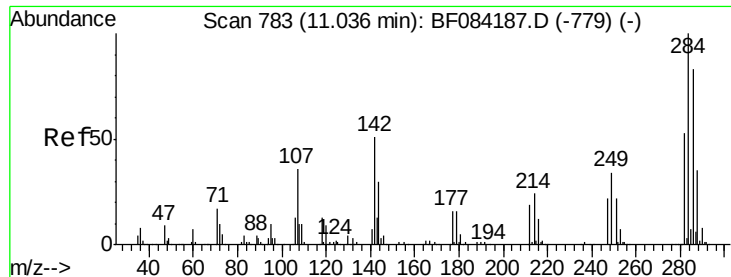
Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	248	Resp:	276121
Ion Ratio	Lower	Upper	
248	100		
250	97.7	78.4	117.6
141	84.0	44.0	66.0#

Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 34.65 ng

RT: 10.88 min Scan# 769

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

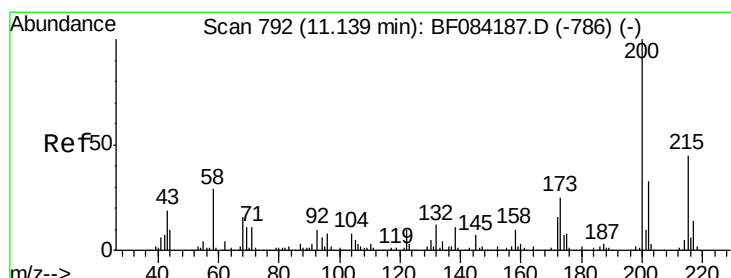
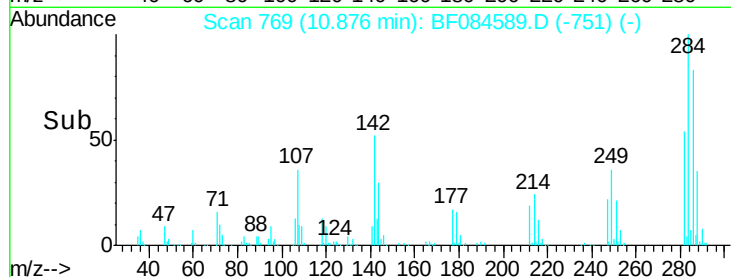
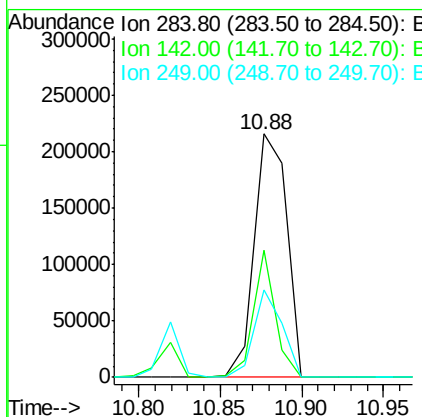
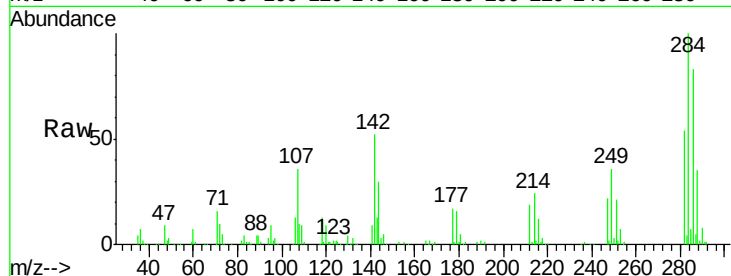
ClientSampleId :

PB87925BS

Tot Ion:	284	Resp:	298834
Ion Ratio	Lower	Upper	
284	100		
142	52.2	22.2	33.4#
249	35.9	24.6	37.0

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#68

Atrazine

Concen: 31.22 ng

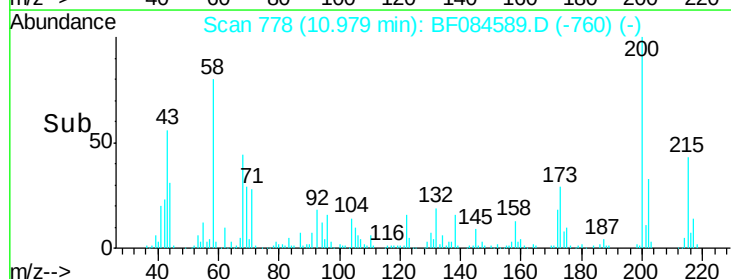
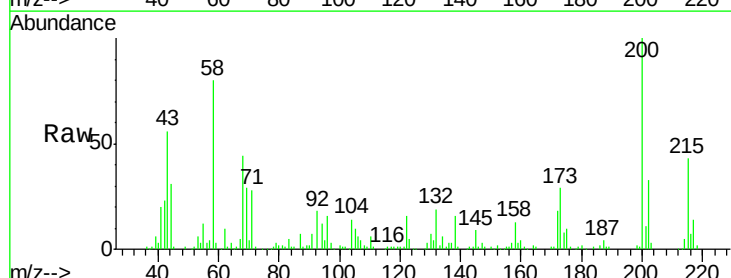
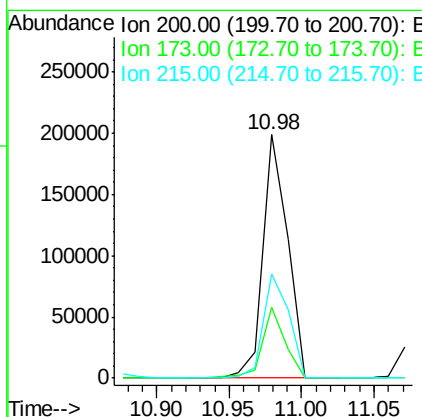
RT: 10.98 min Scan# 778

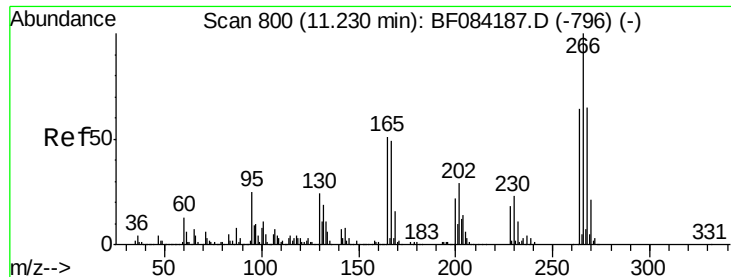
Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	200	Resp:	232575
Ion Ratio	Lower	Upper	
200	100		
173	28.9	9.5	49.5
215	42.6	23.8	63.8





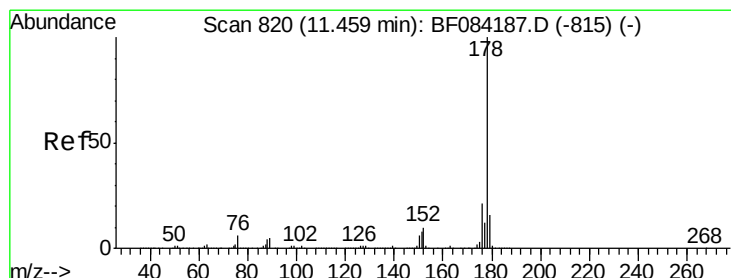
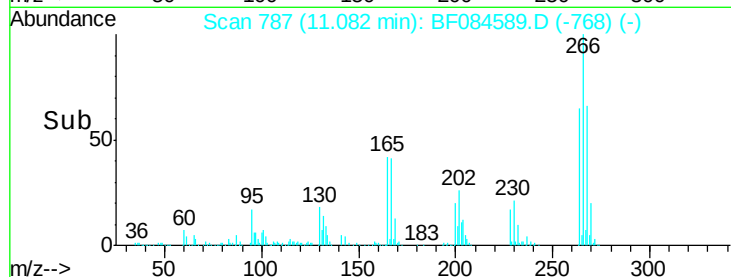
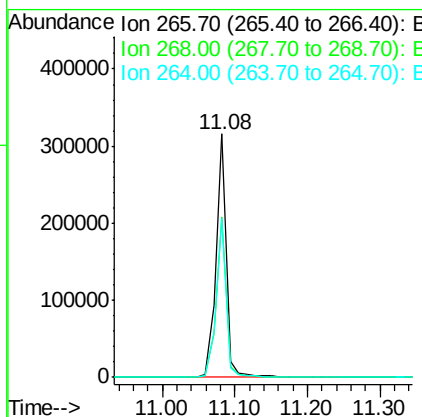
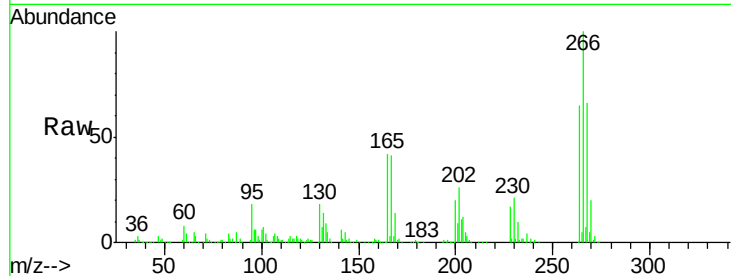
#69
 Pentachlorophenol
 Concen: 70.04 ng
 RT: 11.08 min Scan# 787
 Delta R.T. -0.08 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	313243		
268	65.8	52.4	78.6	
264	65.2	50.2	75.2	

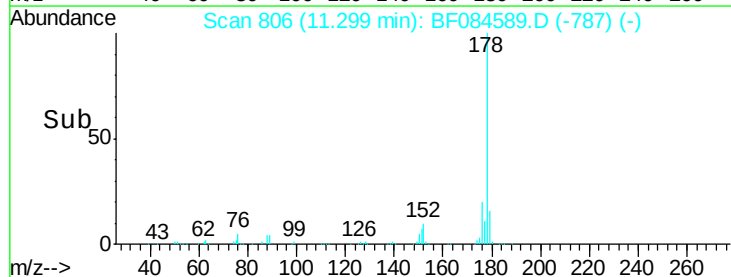
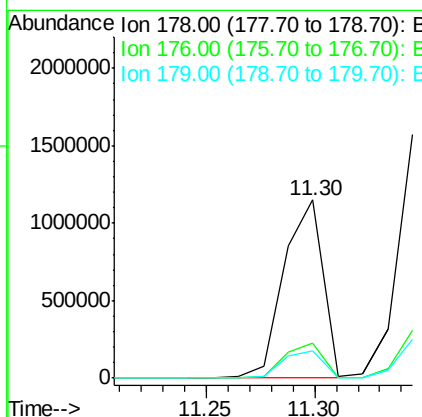
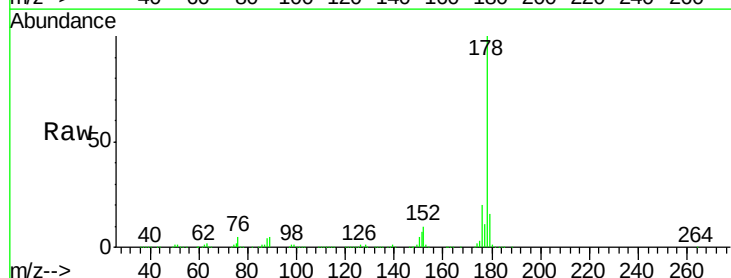
Manual Integrations
 APPROVED

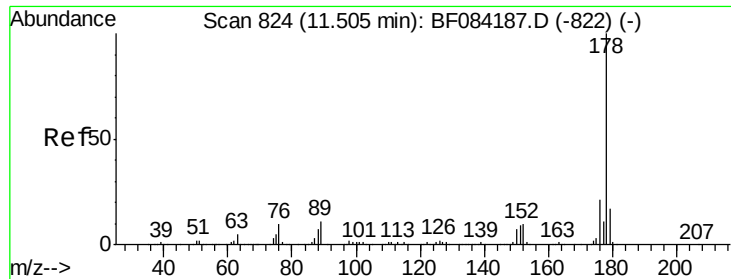
mohammad
 1/25/2016 2:58:48 PM



#70
 Phenanthrene
 Concen: 38.60 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.08 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1437624		
176	19.8	15.3	22.9	
179	15.7	12.0	18.0	





#71
 Anthracene
 Concen: 38.18 ng
 RT: 11.35 min Scan# 810
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

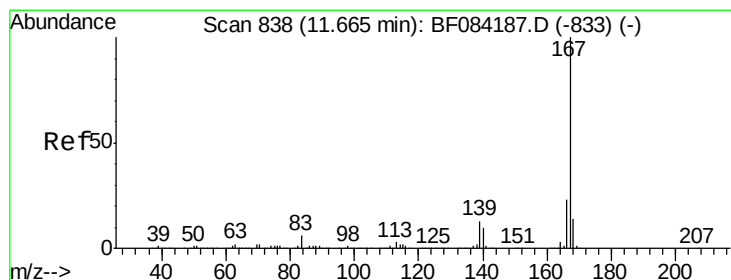
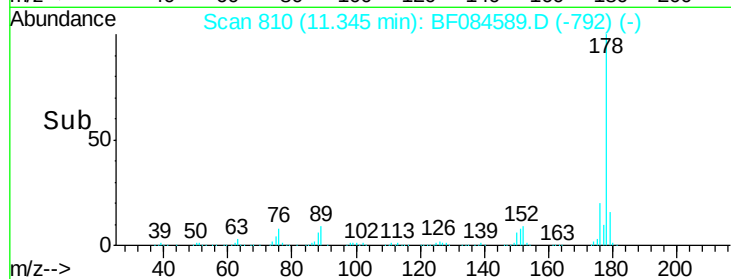
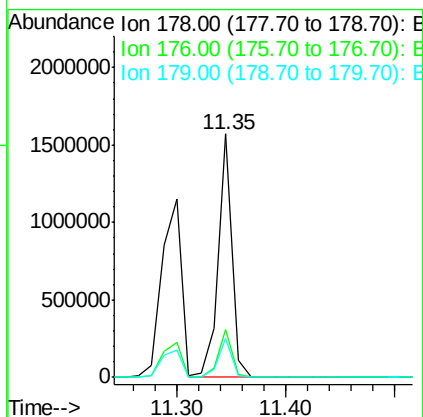
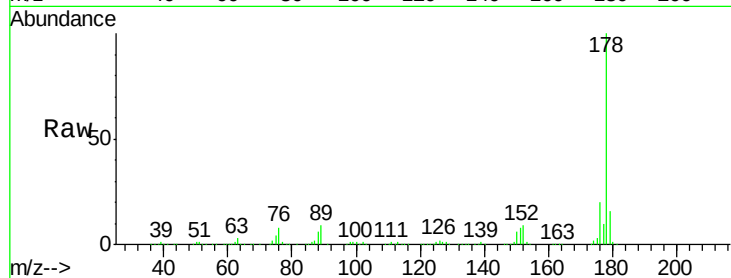
Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

Tot Ion:178 Resp: 1393923

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	16.2	12.5	18.7

Manual Integrations
 APPROVED

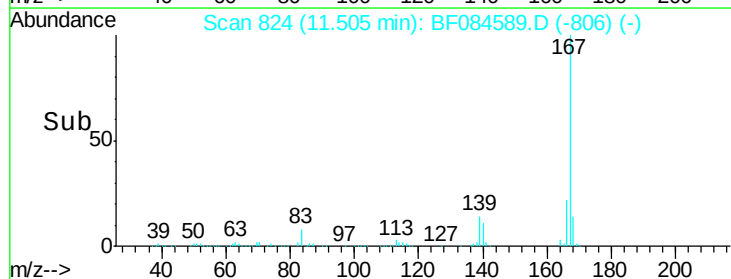
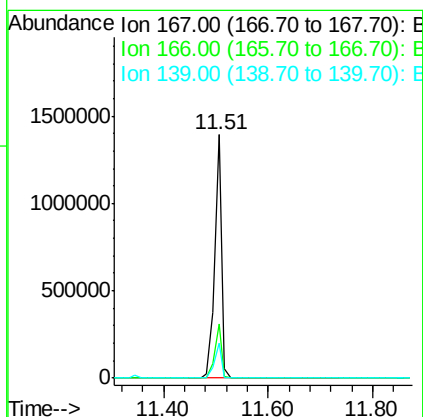
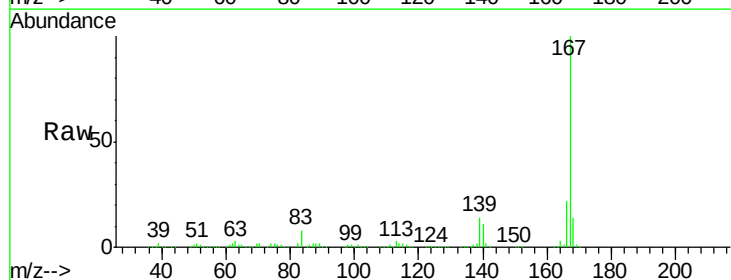
mohammad
 1/25/2016 2:58:48 PM

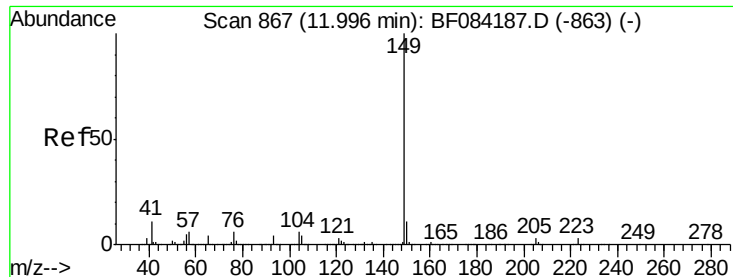


#72
 Carbazole
 Concen: 35.98 ng
 RT: 11.51 min Scan# 824
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tgt Ion:167 Resp: 1284085

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	14.4	11.8	17.8





#73

Di-n-butylphthalate

Concen: 38.23 ng

RT: 11.85 min Scan# 854

Delta R.T. -0.08 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

ClientSampleId :

PB87925BS

Tot Ion:149 Resp: 1509347

Ion Ratio Lower Upper

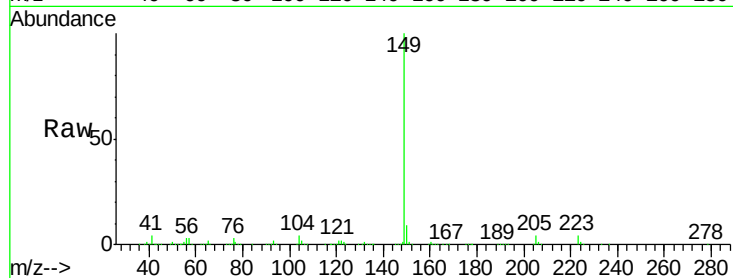
149 100

150 9.2 7.1 10.7

104 4.1 3.2 4.8

Manual Integrations
APPROVED

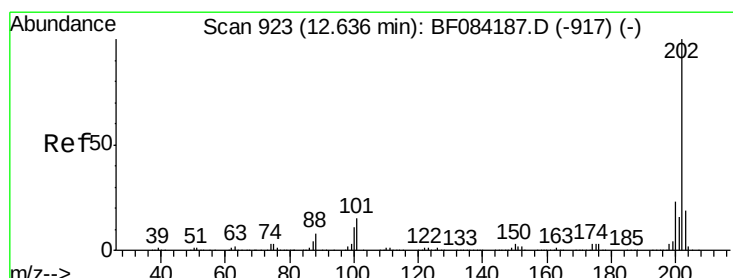
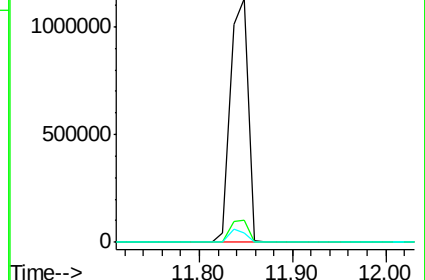
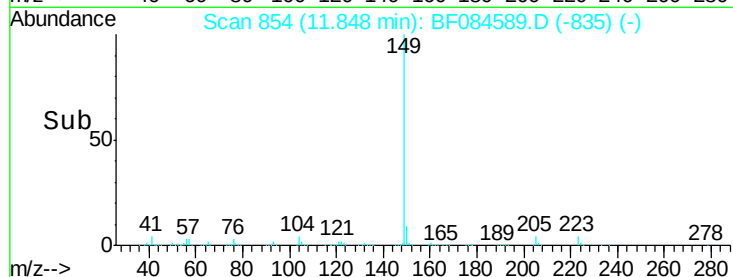
mohammad
1/25/2016 2:58:48 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 33.75 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

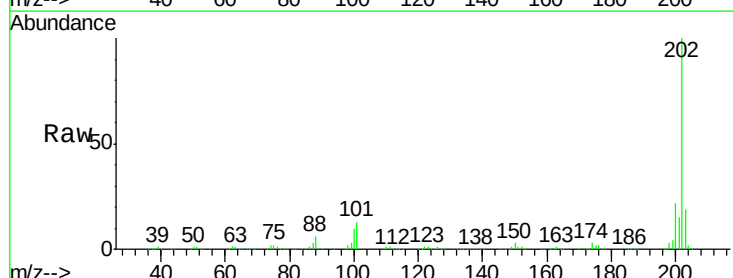
Tgt Ion:202 Resp: 1313097

Ion Ratio Lower Upper

202 100

101 12.8 0.0 32.8

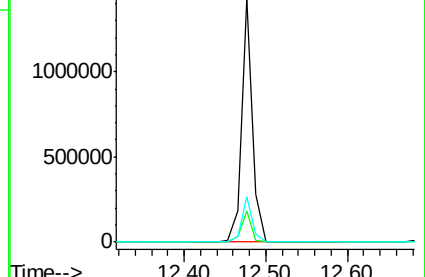
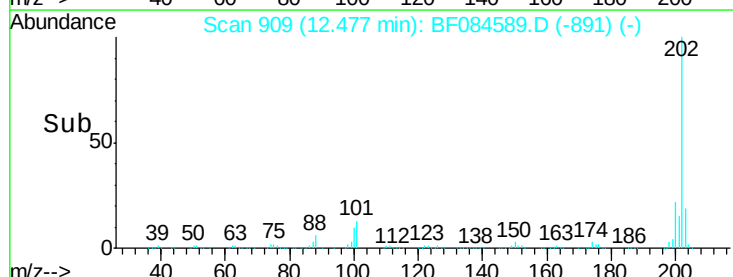
203 18.6 0.0 37.9

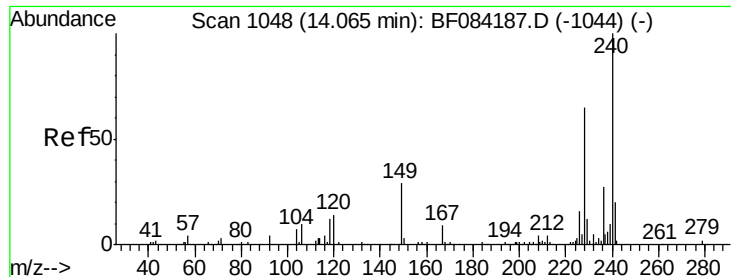


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

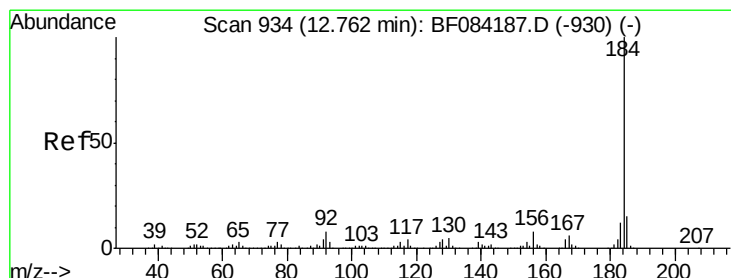
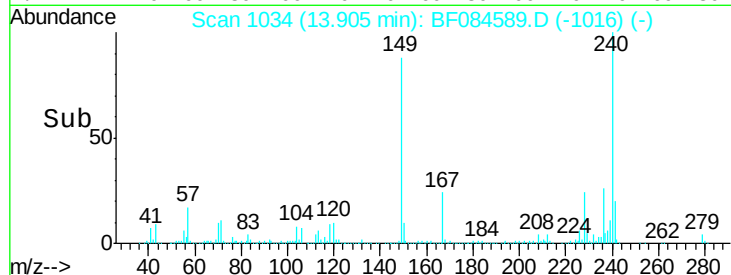
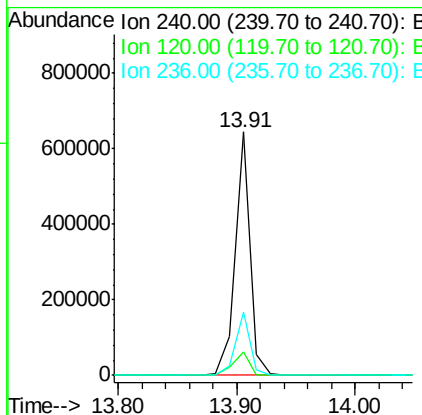
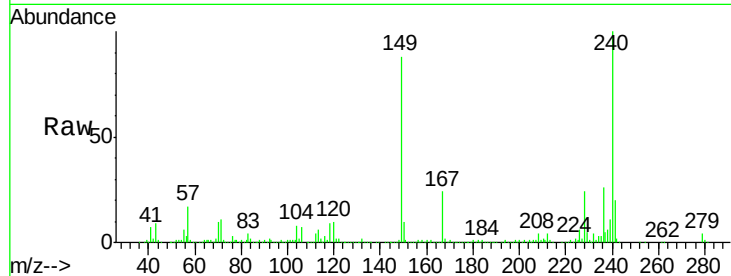
ClientSampleId :

PB87925BS

Tot Ion:	240	Resp:	558185
Ion Ratio	Lower	Upper	
240	100		
120	9.9	9.5	14.3
236	25.9	20.6	31.0

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#76

Benzidine

Concen: 14.36 ng

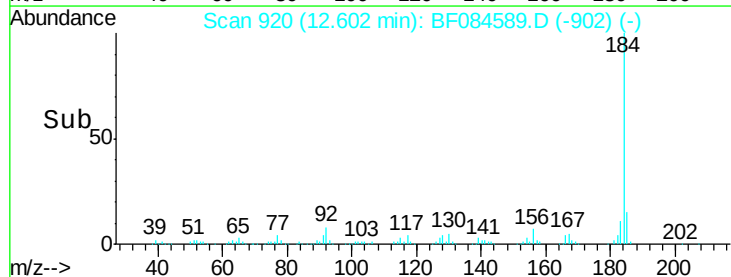
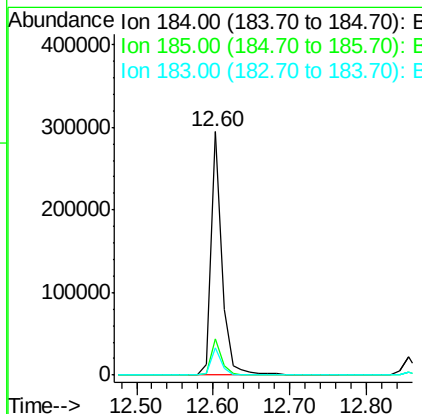
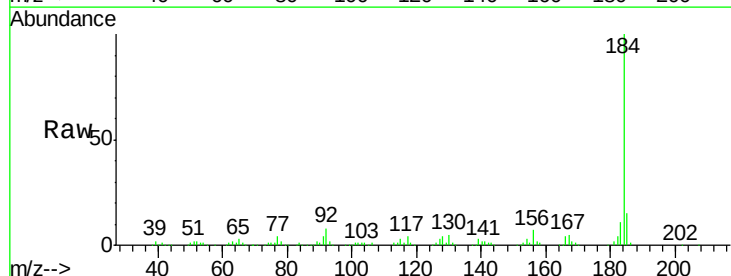
RT: 12.60 min Scan# 920

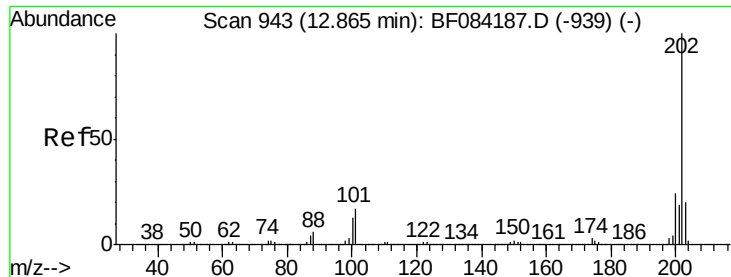
Delta R.T. -0.09 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	184	Resp:	287462
Ion Ratio	Lower	Upper	
184	100		
185	14.8	12.2	18.2
183	11.2	9.8	14.8





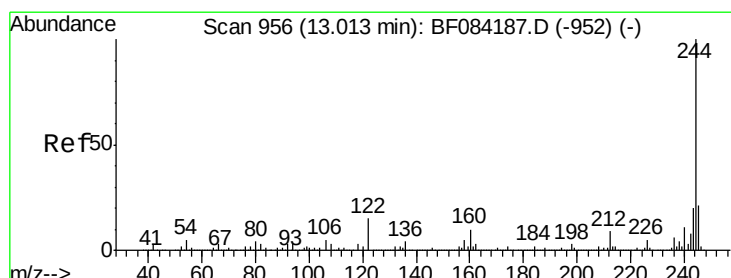
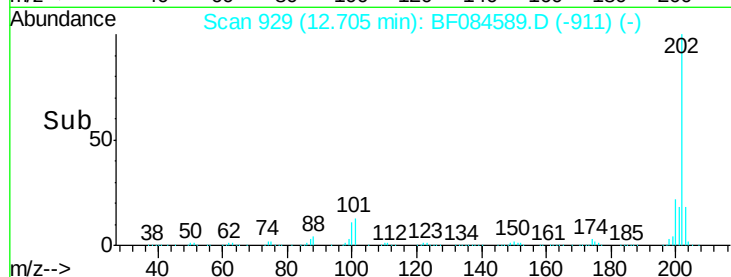
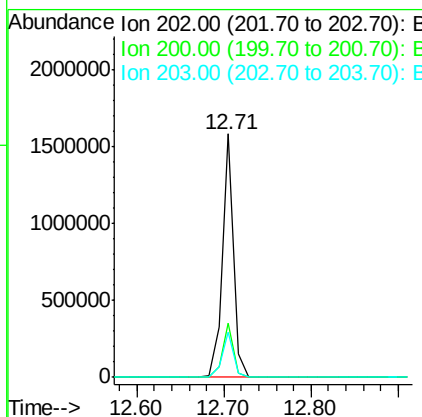
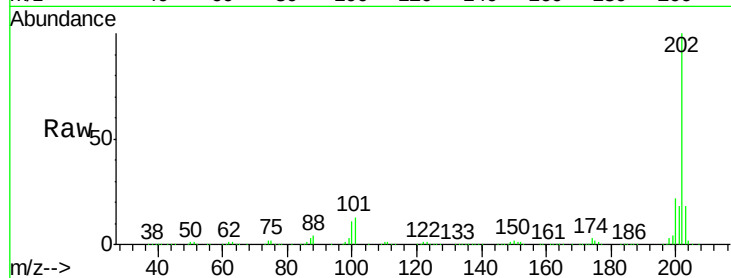
#77
Pvrene
Concen: 32.68 ng
RT: 12.71 min Scan# 929
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.2	25.8
203	18.4	14.3	21.5

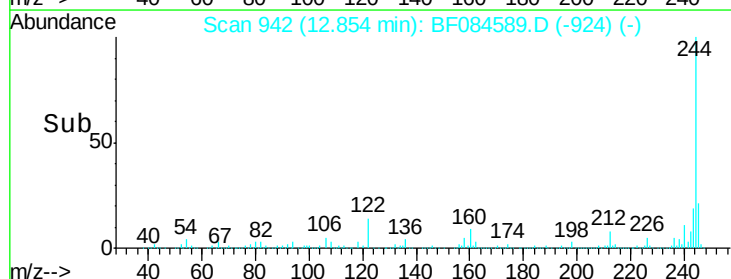
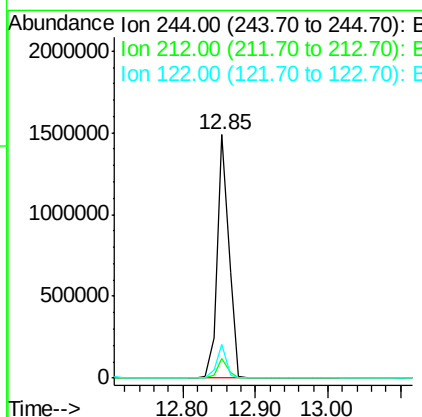
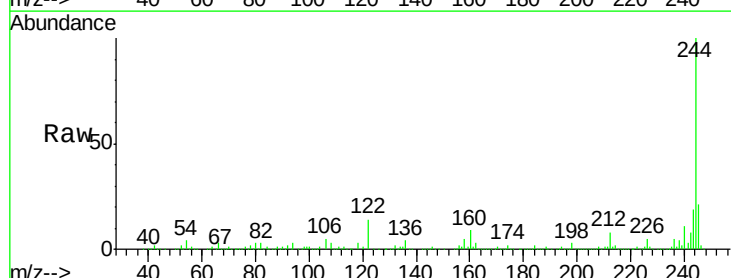
Manual Integrations
APPROVED

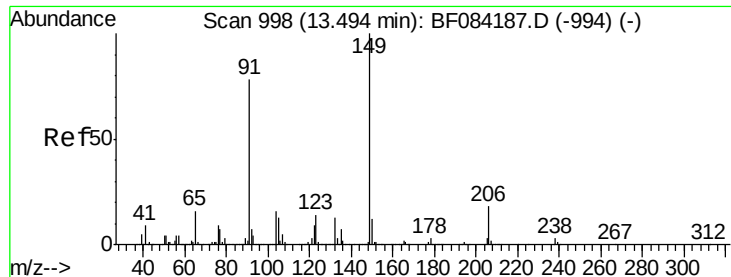
mohammad
1/25/2016 2:58:48 PM



#78
Terphenyl-d14
Concen: 66.07 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

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





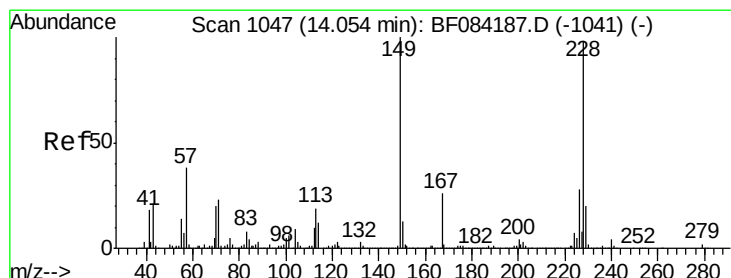
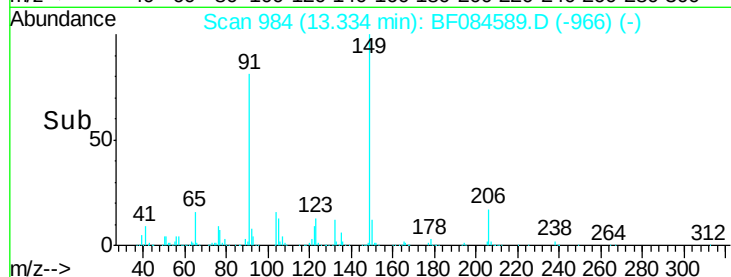
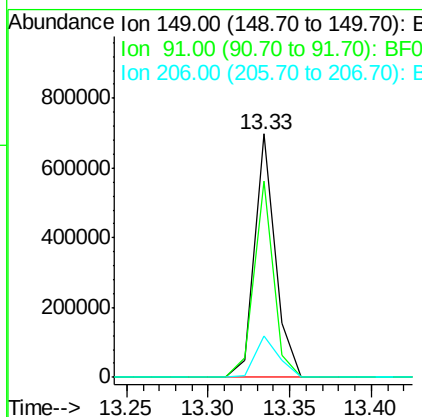
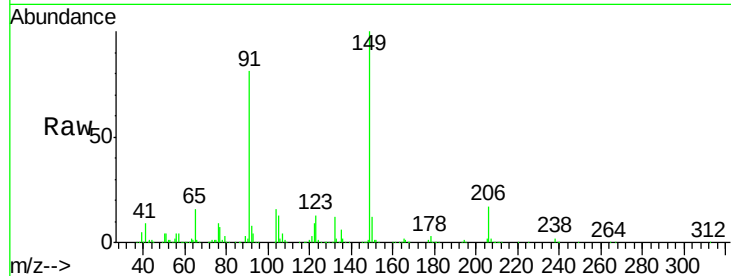
#79
Butylbenzylphthalate
Concen: 32.81 ng
RT: 13.33 min Scan# 984
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	621951		
91	80.8	57.6	86.4	
206	16.8	13.2	19.8	

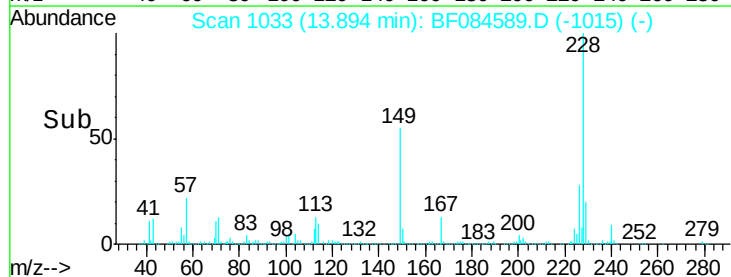
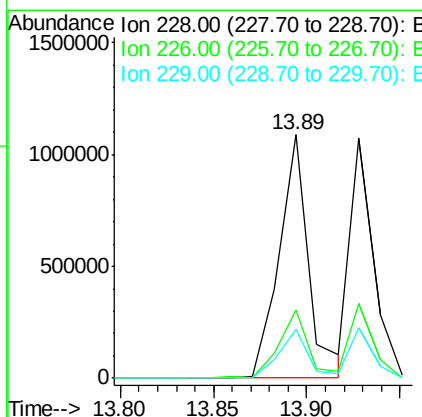
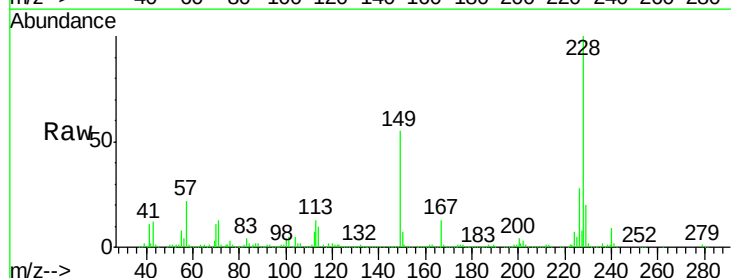
Manual Integrations
APPROVED

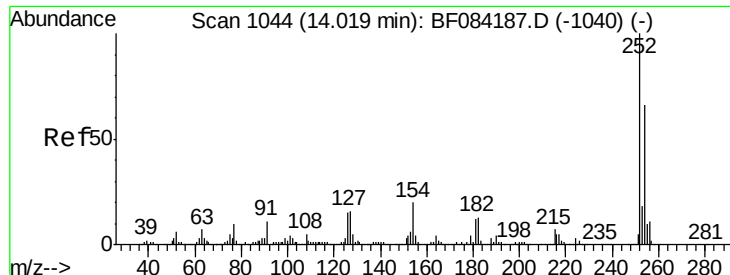
mohammad
1/25/2016 2:58:48 PM



#80
Benzo(a)anthracene
Concen: 36.74 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.09 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1204235		
226	27.9	21.8	32.6	
229	20.3	15.8	23.8	





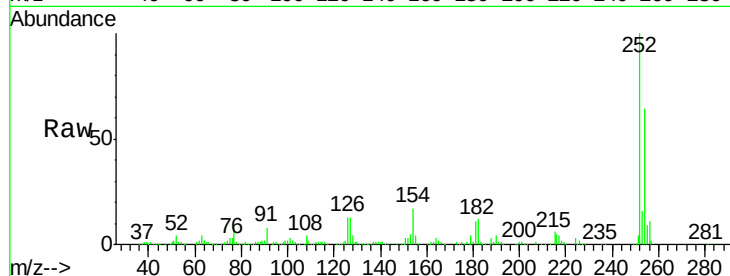
#81
 3,3'-Dichlorobenzidine
 Concen: 21.48 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.4	53.5	80.3
126	12.6	4.9	7.3

Manual Integrations
 APPROVED

mohammad
 1/25/2016 2:58:48 PM

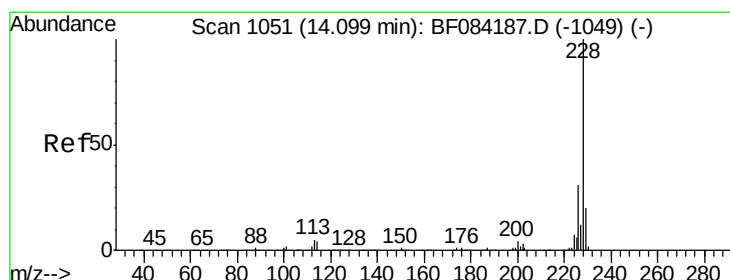
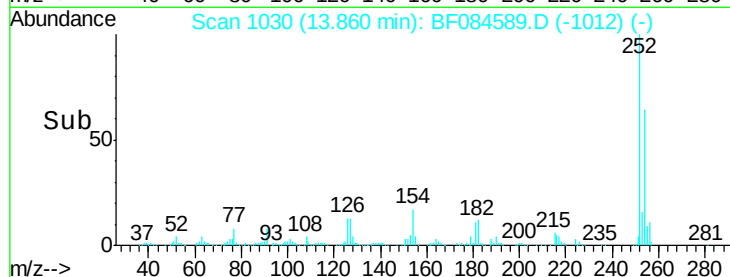
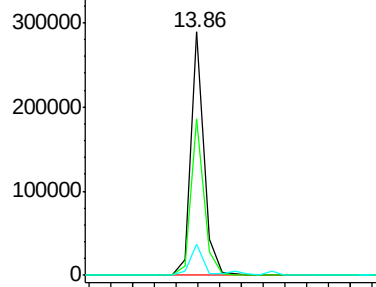


Abundance

Ion 252.00 (251.70 to 252.70): E

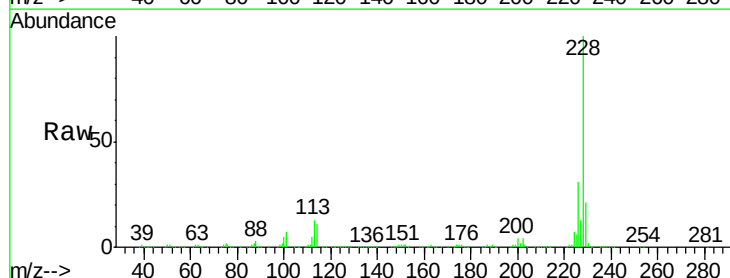
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 30.30 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.0	24.3	36.5
229	20.7	16.1	24.1

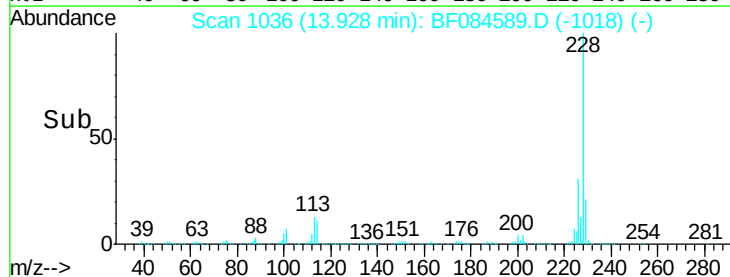
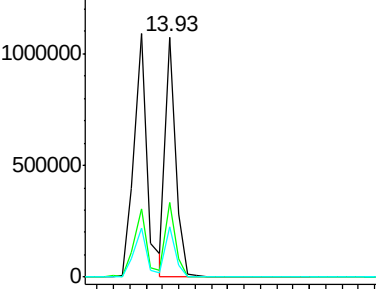


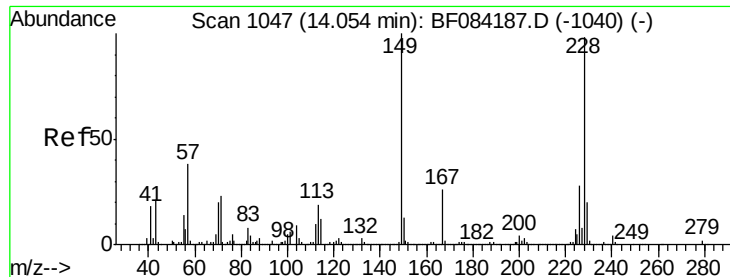
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





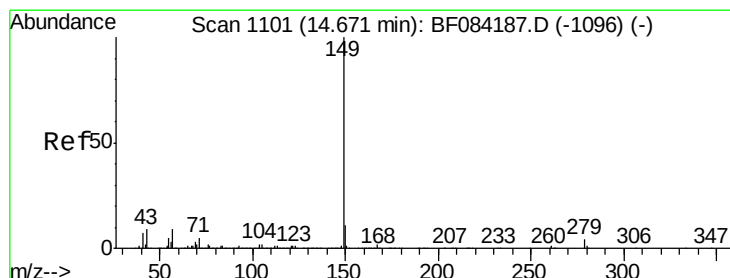
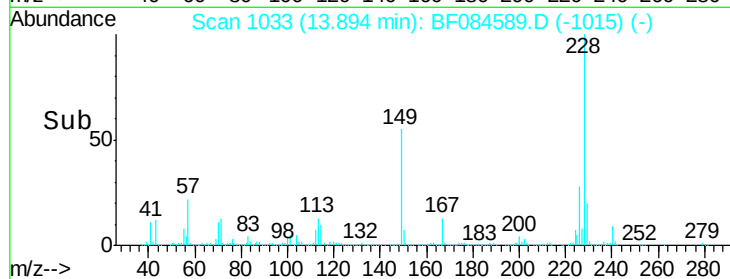
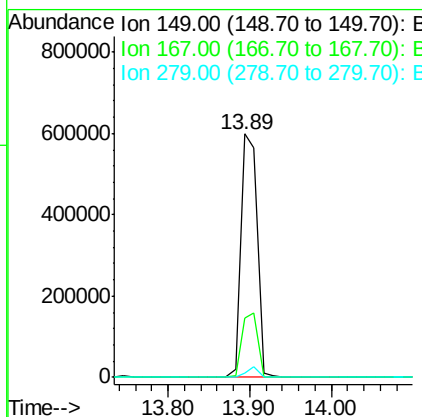
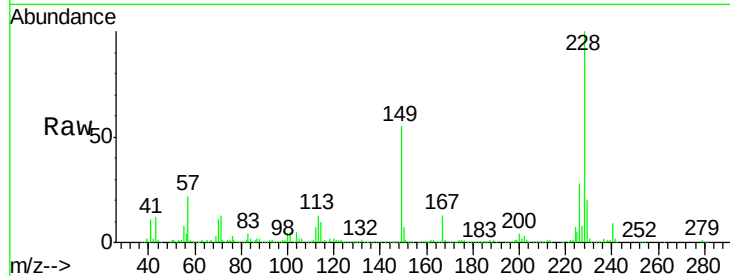
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 34.48 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.09 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	825618		
167	24.1	19.7	29.5	
279	1.9	1.8	2.6	

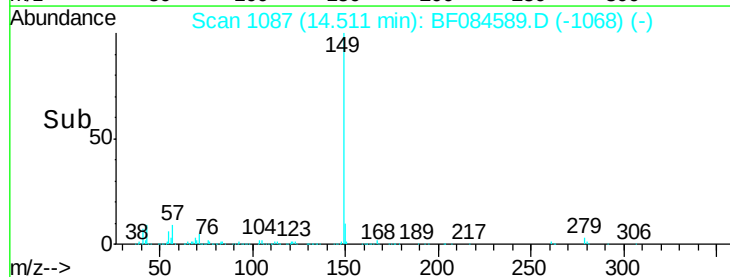
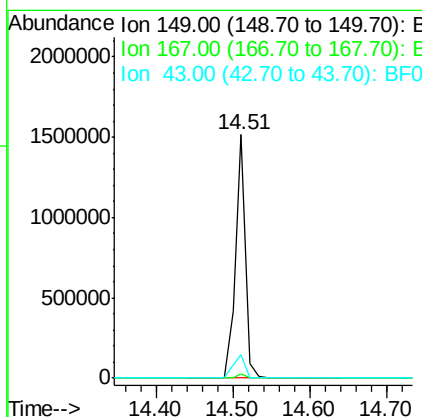
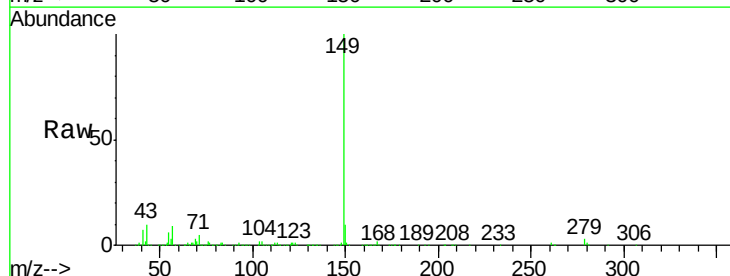
Manual Integrations
 APPROVED

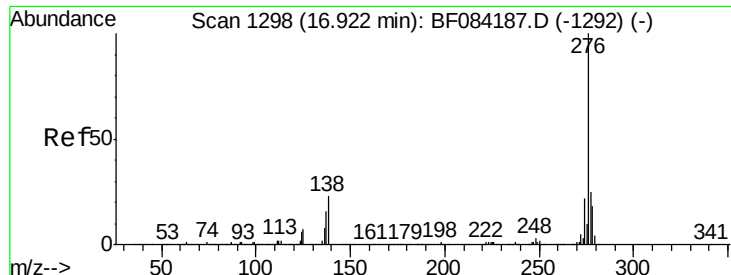
mohammad
 1/25/2016 2:58:48 PM



#84
 Di-n-octyl phthalate
 Concen: 34.71 ng
 RT: 14.51 min Scan# 1087
 Delta R.T. -0.08 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1403306		
167	1.6	1.2	1.8	
43	11.3	5.6	8.4	





#85

Indeno(1,2,3-cd)pyrene

Concen: 36.22 ng

RT: 16.63 min Scan# 1272

Delta R.T. -0.17 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

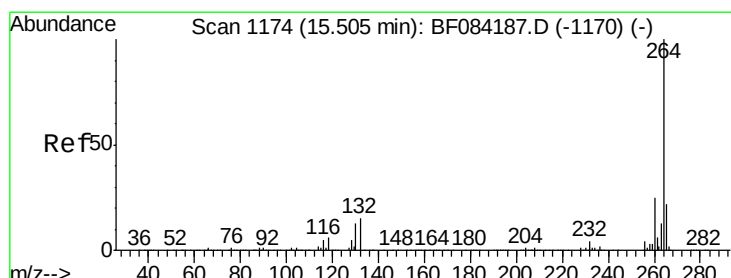
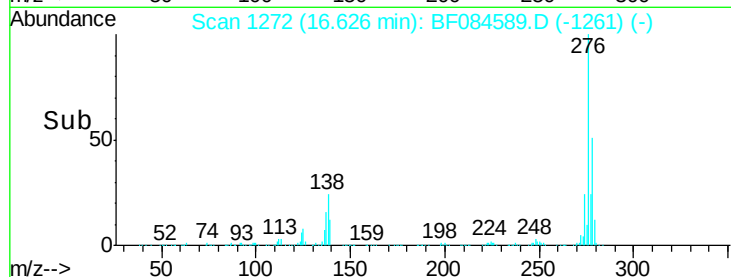
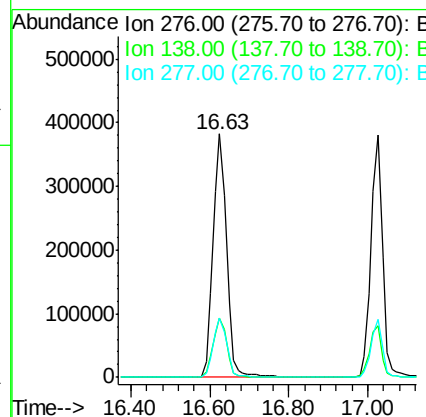
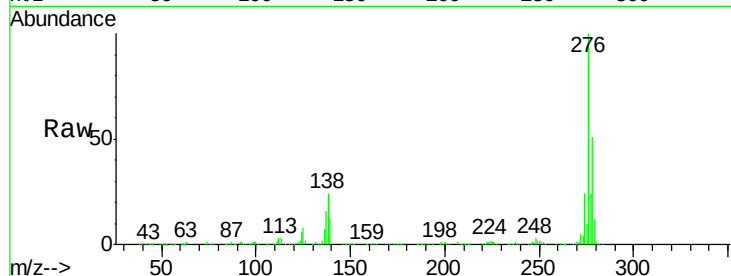
ClientSampleId :

PB87925BS

Tot Ion:	276	Resp:	904315
Ion Ratio		Lower	Upper
276	100		
138	24.7	20.6	30.8
277	24.5	20.1	30.1

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



#86

Perylene-d12

Concen: 20.00 ng

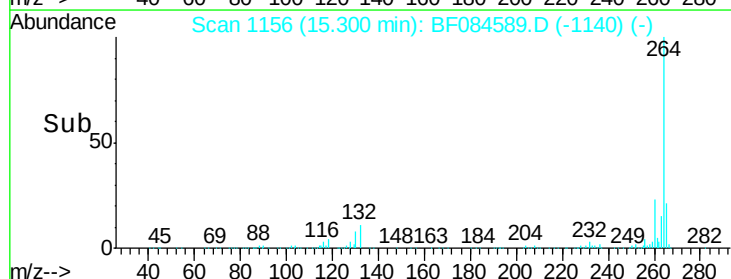
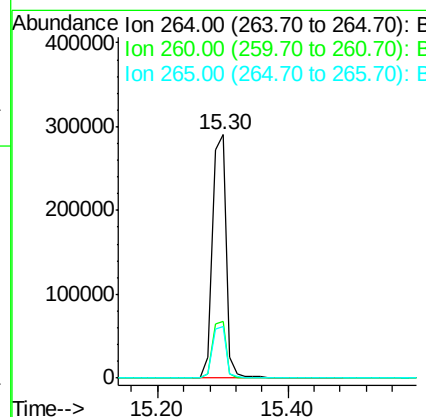
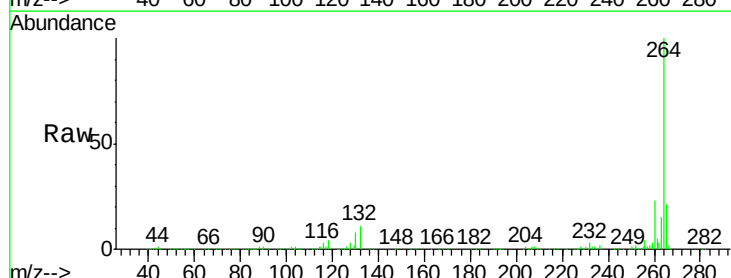
RT: 15.30 min Scan# 1156

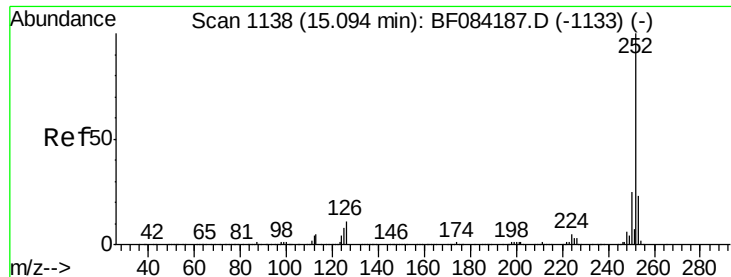
Delta R.T. -0.11 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:	264	Resp:	432365
Ion Ratio		Lower	Upper
264	100		
260	23.0	19.4	29.2
265	21.3	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 39.31 ng m

RT: 14.91 min Scan# 1122

Delta R.T. -0.10 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Instrument :

BNA_F

ClientSampleId :

PB87925BS

Tot Ion:252 Resp: 1111924

Ion Ratio Lower Upper

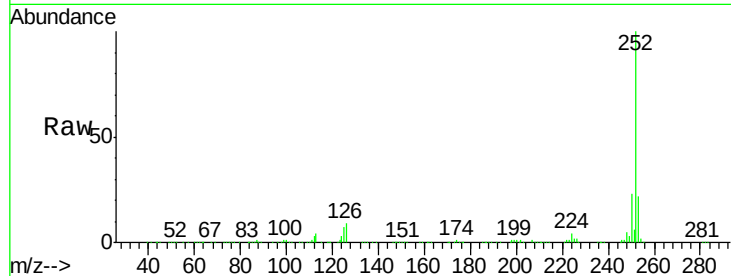
252 100

253 22.3 17.3 25.9

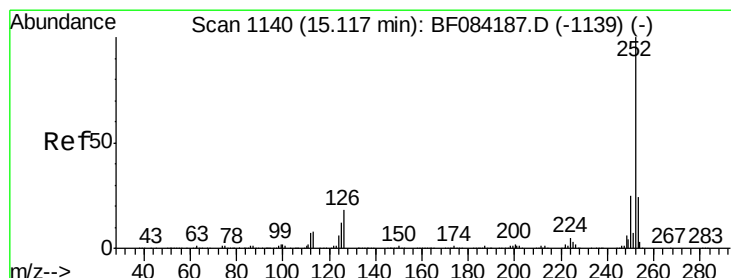
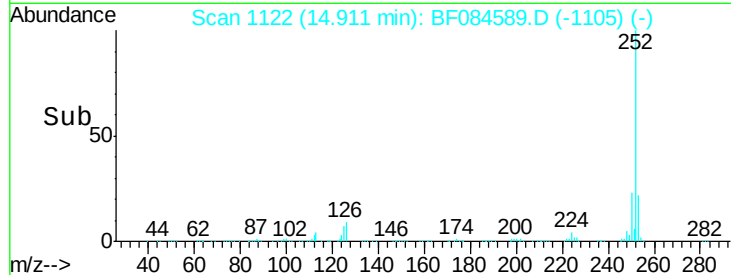
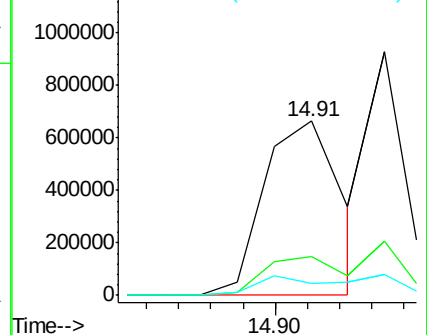
125 6.6 6.5 9.7

Manual Integrations
APPROVED

mohammad
1/25/2016 2:58:48 PM



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



#88

Benzo(k)fluoranthene

Concen: 31.96 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.10 min

Lab File: BF084589.D

Acq: 22 Jan 2016 15:09

Tgt Ion:252 Resp: 739235

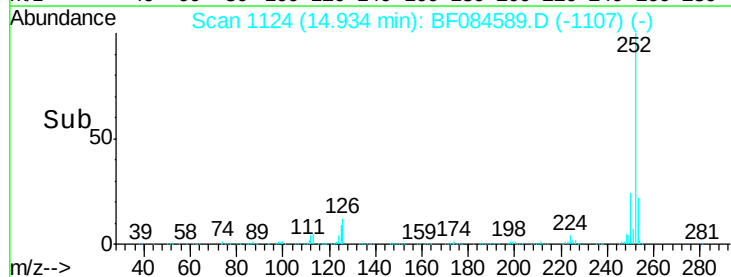
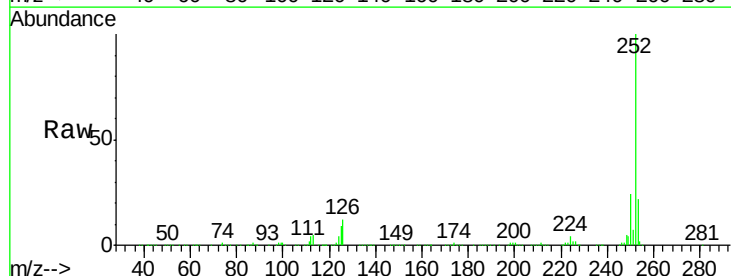
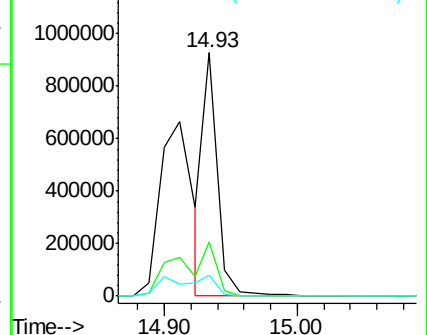
Ion Ratio Lower Upper

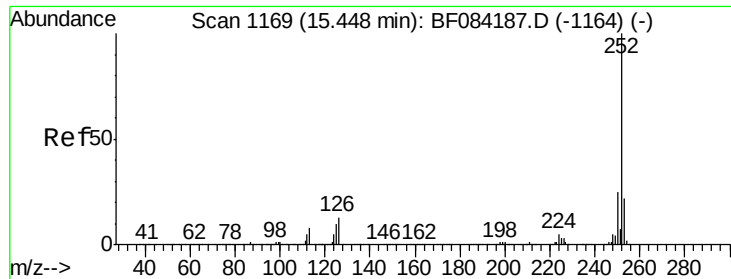
252 100

253 22.3 18.1 27.1

125 8.5 9.0 13.6#

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





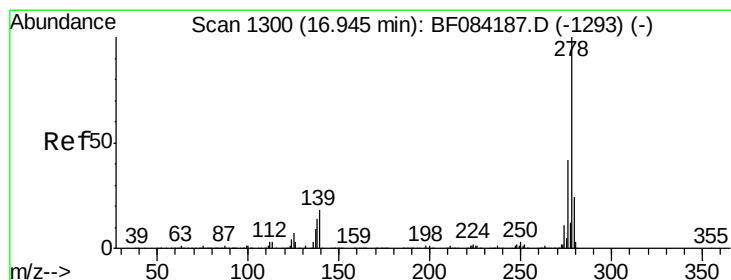
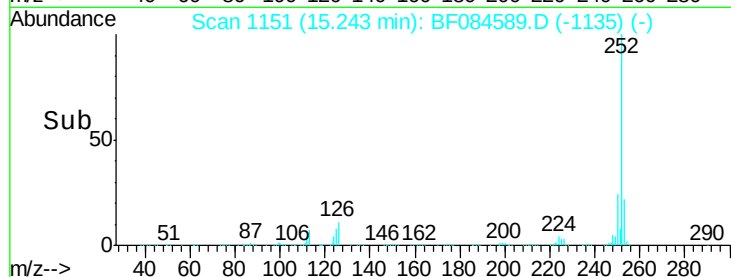
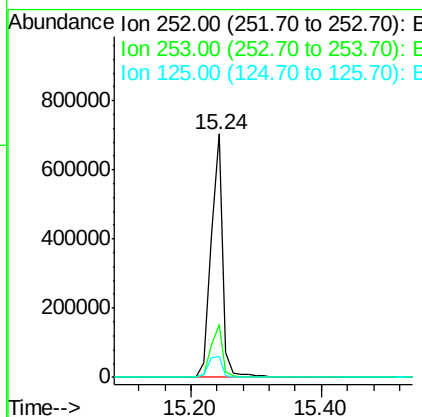
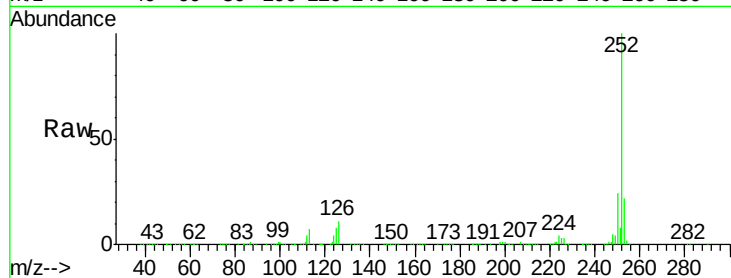
#89
Benzo(a)pyrene
Concen: 36.39 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.11 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Instrument :
BNA_F
ClientSampleId :
PB87925BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	8.4	7.0	10.4

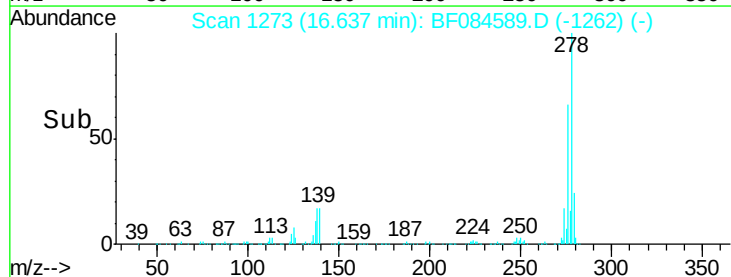
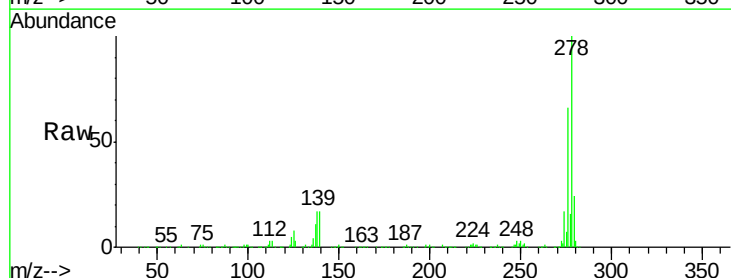
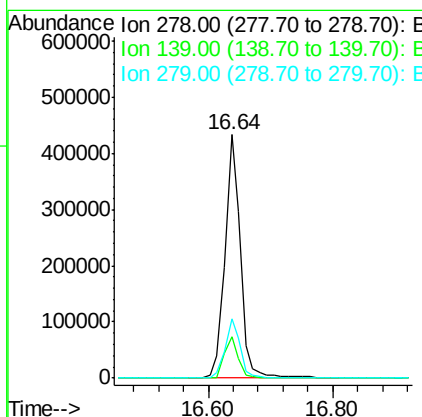
Manual Integrations
APPROVED

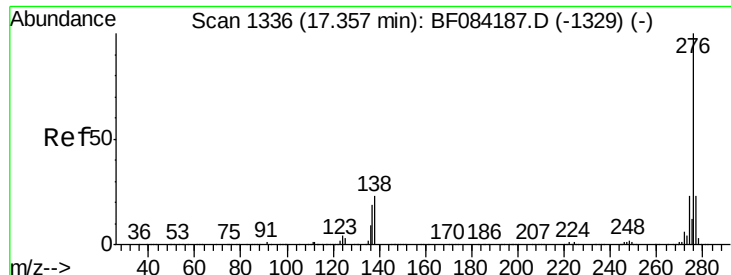
mohammad
1/25/2016 2:58:48 PM



#90
Dibenzo(a,h)anthracene
Concen: 36.19 ng
RT: 16.64 min Scan# 1273
Delta R.T. -0.17 min
Lab File: BF084589.D
Acq: 22 Jan 2016 15:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	15.0	22.4
279	24.3	18.9	28.3





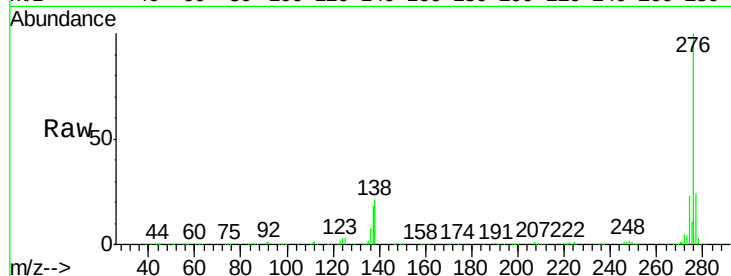
#91
 Benzo(a,h,i)perylene
 Concen: 35.65 ng
 RT: 17.03 min Scan# 1307
 Delta R.T. -0.19 min
 Lab File: BF084589.D
 Acq: 22 Jan 2016 15:09

Instrument :
 BNA_F
 ClientSampleId :
 PB87925BS

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.1	18.8	28.2
138	21.1	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 1/25/2016 2:58:48 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

