

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093326.D
 Acq On : 2 Mar 2017 17:47
 Operator : SJ/MA
 Sample : PB97286BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Manual Integrations
 APPROVED

mohammad

3/3/2017 5:16:39 PM

Quant Time: Mar 03 00:51:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 00:22:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	155300	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	607625	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	280205	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	524202	20.00	ng	0.00
75) Chrysene-d12	13.99	240	467223	20.00	ng	0.00
86) Perylene-d12	15.40	264	396507	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1220148	134.79	ng	0.01
7) Phenol-d6	6.45	99	1546261	132.76	ng	0.00
23) Nitrobenzene-d5	7.37	82	949326	87.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	292436	144.30	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1434441	92.74	ng	0.00
78) Terphenyl-d14	12.93	244	1331454	66.96	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.40	88	172868	35.34	ng	# 83
3) Pyridine	3.09	79	505280	40.63	ng	# 85
4) n-Nitrosodimethylamine	3.06	42	260715	44.64	ng	85
6) Aniline	6.46	93	325914	20.51	ng	# 84
8) 2-Chlorophenol	6.58	128	412724	41.33	ng	87
9) Benzaldehyde	6.34	77	116848	14.00	ng	85
10) Phenol	6.46	94	538758	39.54	ng	81
11) bis(2-Chloroethyl)ether	6.53	93	418727	38.50	ng	92
12) 1,3-Dichlorobenzene	6.73	146	455248m	38.92	ng	
13) 1,4-Dichlorobenzene	6.81	146	456788	38.59	ng	100
14) 1,2-Dichlorobenzene	6.97	146	439521	38.83	ng	95
15) Benzyl Alcohol	6.94	79	336244	39.00	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.08	45	719419	38.07	ng	93
17) 2-Methylphenol	7.07	107	358636	41.86	ng	96
18) Hexachloroethane	7.31	117	166538	41.21	ng	# 90
19) n-Nitroso-di-n-propylamine	7.22	70	317254	42.79	ng	97
20) 3+4-Methylphenols	7.23	107	487095	47.55	ng	# 74
22) Acetophenone	7.22	105	595093	42.90	ng	# 96
24) Nitrobenzene	7.39	77	495438	44.22	ng	96
25) Isophorone	7.63	82	886776	43.61	ng	95
26) 2-Nitrophenol	7.71	139	245297	46.06	ng	94
27) 2,4-Dimethylphenol	7.76	122	418432	44.74	ng	97
28) bis(2-Chloroethoxy)methane	7.85	93	571861	42.47	ng	99
29) 2,4-Dichlorophenol	7.96	162	380423	43.61	ng	95
30) 1,2,4-Trichlorobenzene	8.03	180	359260	38.22	ng	95
31) Naphthalene	8.11	128	1188834	38.60	ng	99
32) Benzoic acid	7.90	122	153668	31.83	ng	97
33) 4-Chloroaniline	8.17	127	206194	17.07	ng	95
34) Hexachlorobutadiene	8.22	225	185796	35.92	ng	99
35) Caprolactam	8.54	113	121046m	44.11	ng	
36) 4-Chloro-3-methylphenol	8.67	107	371503	40.85	ng	98
37) 2-Methylnaphthalene	8.81	142	770033	38.94	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.98	216	356118	45.28	ng	99
40) Hexachlorocyclopentadiene	8.96	237	236146	66.54	ng	96

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093326.D
 Acq On : 2 Mar 2017 17:47
 Operator : SJ/MA
 Sample : PB97286BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Manual Integrations
 APPROVED

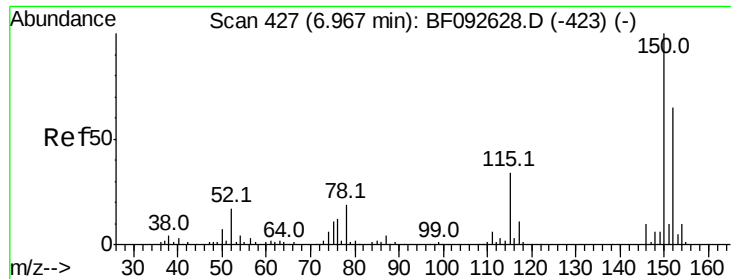
mohammad

3/3/2017 5:16:39 PM

Quant Time: Mar 03 00:51:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 00:22:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.09	196	229034	44.31	nq	91
43) 2,4,5-Trichlorophenol	9.15	196	225021	39.74	nq	# 84
45) 1,1'-Biphenyl	9.28	154	963590	47.49	nq	98
46) 2-Chloronaphthalene	9.30	162	713195	44.93	nq	96
47) 2-Nitroaniline	9.40	65	243300	45.59	nq	92
48) Acenaphthylene	9.71	152	1167569	42.58	nq	98
49) Dimethylphthalate	9.58	163	911533	48.30	nq	100
50) 2,6-Dinitrotoluene	9.65	165	214389	52.60	nq	96
51) Acenaphthene	9.88	154	656075	40.02	nq	96
52) 3-Nitroaniline	9.82	138	124668	26.73	nq	81
53) 2,4-Dinitrophenol	9.94	184	175426	84.33	nq	# 52
54) Dibenzofuran	10.06	168	1004532	45.81	nq	92
55) 4-Nitrophenol	10.01	139	202664	60.32	nq	91
56) 2,4-Dinitrotoluene	10.06	165	254627	46.92	nq	95
57) Fluorene	10.41	166	819771	48.60	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.19	232	189279	50.11	nq	96
59) Diethylphthalate	10.28	149	811294	45.61	nq	99
60) 4-Chlorophenyl-phenylether	10.40	204	357011	44.05	nq	88
61) 4-Nitroaniline	10.44	138	215129	45.03	nq	94
62) Azobenzene	10.56	77	959423	52.21	nq	96
64) 4,6-Dinitro-2-methylphenol	10.48	198	140844	44.36	nq	# 50
65) n-Nitrosodiphenylamine	10.52	169	733865	43.82	nq	100
66) 4-Bromophenyl-phenylether	10.89	248	220109	40.19	nq	91
67) Hexachlorobenzene	10.96	284	213859	39.52	nq	# 90
68) Atrazine	11.05	200	230219	42.84	nq	100
69) Pentachlorophenol	11.16	266	177496	65.01	nq	98
70) Phenanthrene	11.37	178	1096201	36.50	nq	98
71) Anthracene	11.42	178	1282989	42.54	nq	99
72) Carbazole	11.58	167	1160558	40.26	nq	99
73) Di-n-butylphthalate	11.90	149	1294189	41.51	nq	# 98
74) Fluoranthene	12.56	202	1216820	39.28	nq	97
76) Benzidine	12.68	184	437153	21.96	nq	97
77) Pyrene	12.78	202	1229095	35.15	nq	99
79) Butylbenzylphthalate	13.40	149	580751	40.90	nq	95
80) Benzo(a)anthracene	13.97	228	1062899	37.20	nq	99
81) 3,3'-Dichlorobenzidine	13.94	252	249791	24.52	nq	# 93
82) Chrysene	14.01	228	931436	34.81	nq	100
83) Bis(2-ethylhexyl)phthalate	13.95	149	829627	42.72	nq	# 99
84) Di-n-octyl phthalate	14.57	149	1459795	46.17	nq	99
85) Indeno(1,2,3-cd)pyrene	16.80	276	820354	39.58	nq	# 94
87) Benzo(b)fluoranthene	15.00	252	1033056m	39.58	nq	
88) Benzo(k)fluoranthene	15.03	252	849010m	37.68	nq	
89) Benzo(a)pyrene	15.35	252	888213	39.35	nq	96
90) Dibenzo(a,h)anthracene	16.81	278	693677	38.02	nq	98
91) Benzo(g,h,i)perylene	17.22	276	699288	37.94	nq	# 94

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



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

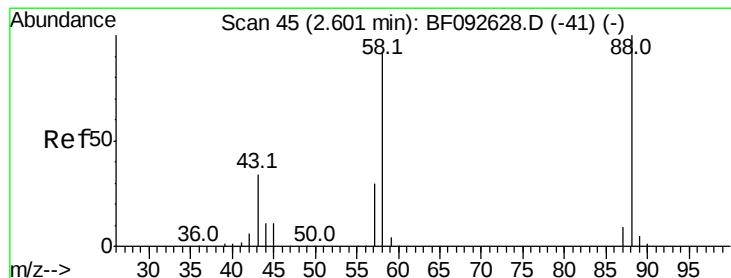
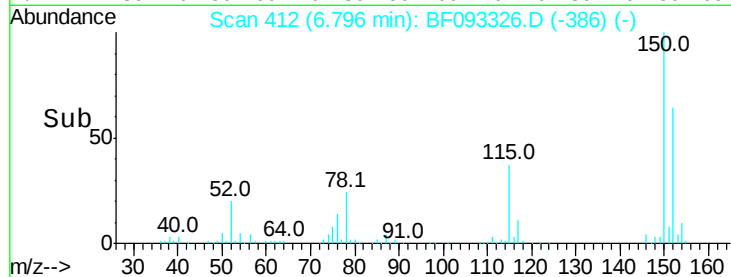
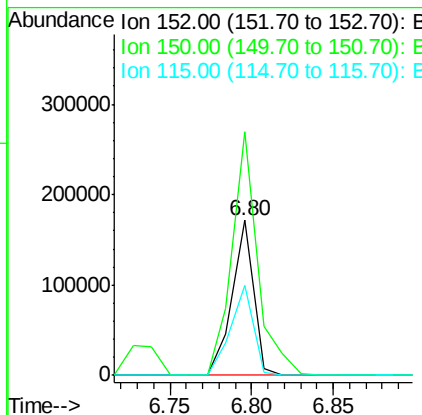
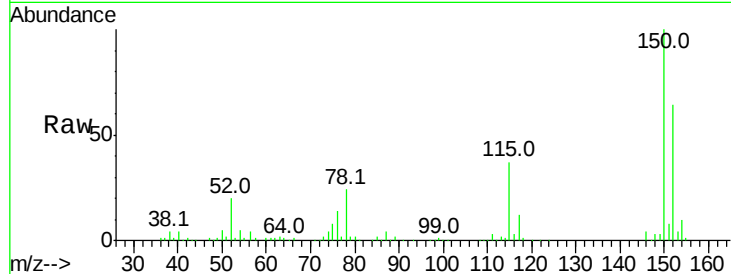
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.9	187.3
115	57.9	46.0	69.0

Manual Integrations
APPROVED

mohammad

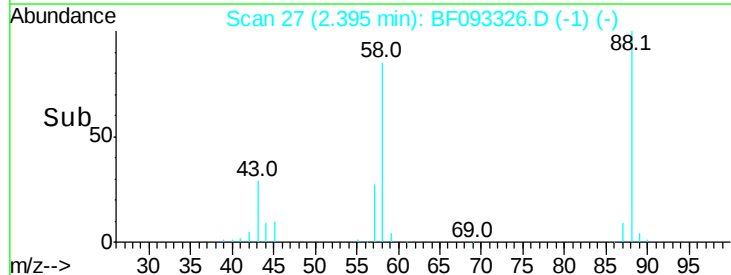
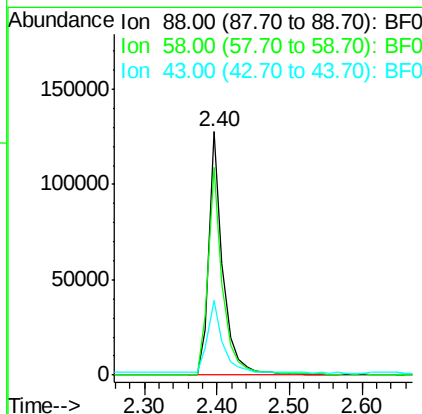
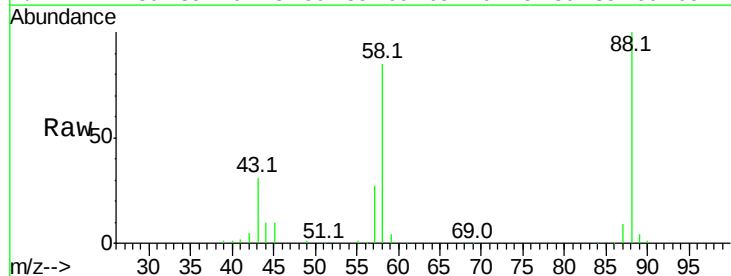
3/3/2017 5:16:39 PM

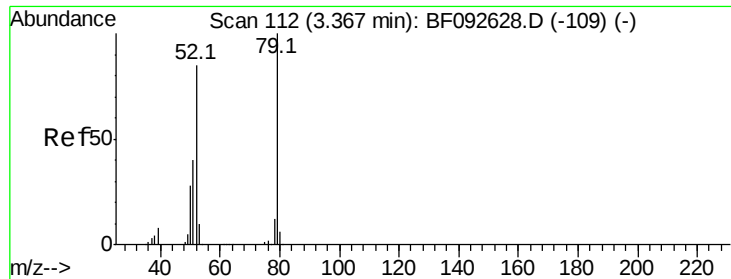


#2

1,4-Dioxane
Concen: 35.34 ng
RT: 2.40 min Scan# 27
Delta R.T. 0.08 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.0	57.8	86.8#
43	31.6	22.3	33.5





#3

Pvridine

Concen: 40.63 ng

RT: 3.09 min Scan# 88

Delta R.T. 0.08 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

PB97286BSD

Tot Ion: 79 Resp: 505280

Ion Ratio Lower Upper

79 100

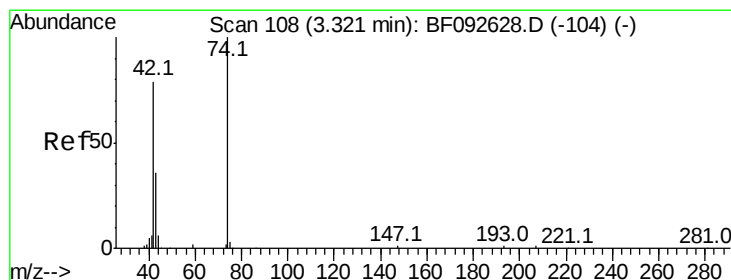
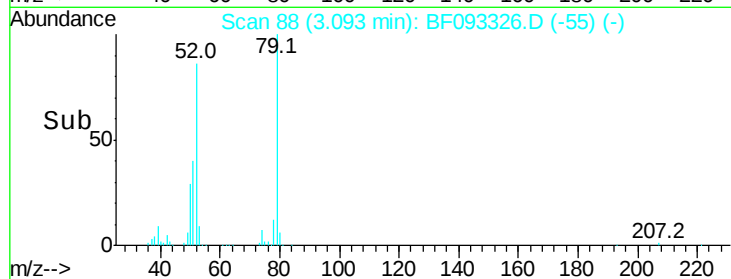
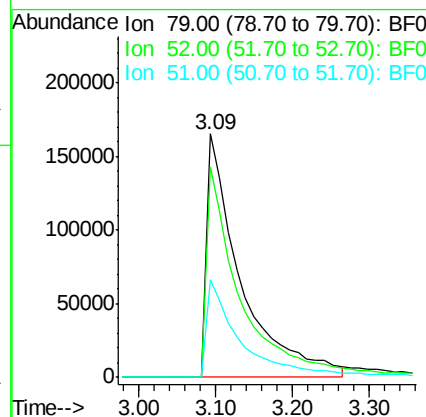
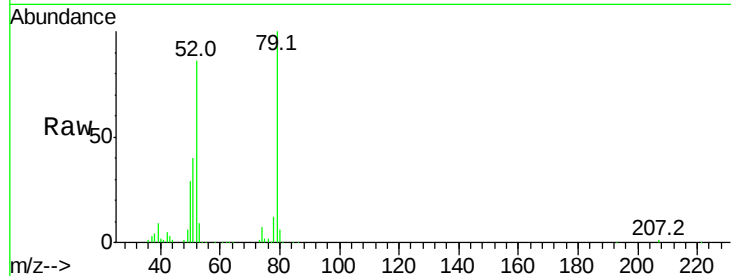
52 86.3 57.1 85.7#

51 39.9 27.3 40.9

Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



#4

n-Nitrosodimethylamine

Concen: 44.64 ng

RT: 3.06 min Scan# 85

Delta R.T. 0.08 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

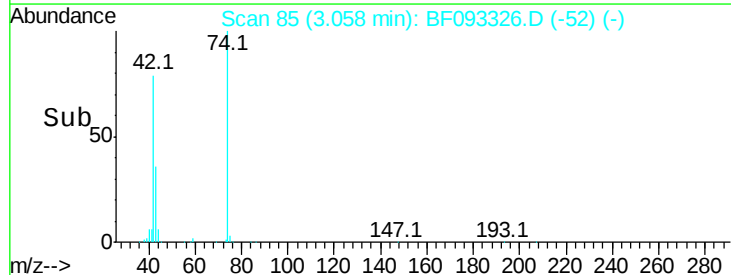
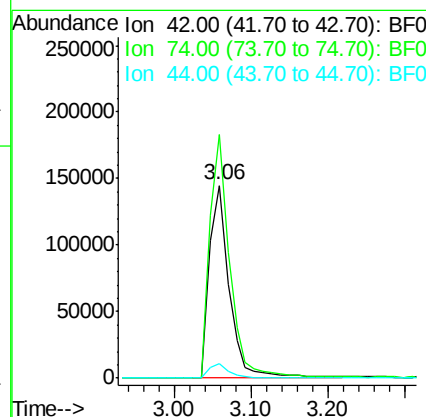
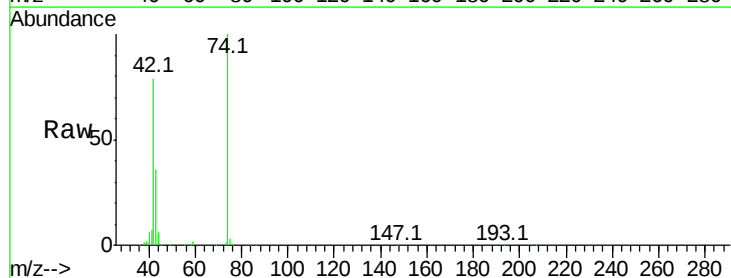
Tgt Ion: 42 Resp: 260715

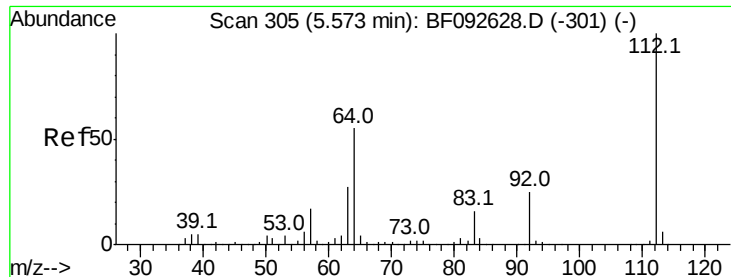
Ion Ratio Lower Upper

42 100

74 126.3 117.0 175.4

44 7.6 5.5 8.3





#5

2-Fluorophenol

Concen: 134.79 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

PB97286BSD

Tot Ion:112 Resp: 1220148

Ion Ratio Lower Upper

112 100

64 56.9 46.1 69.1

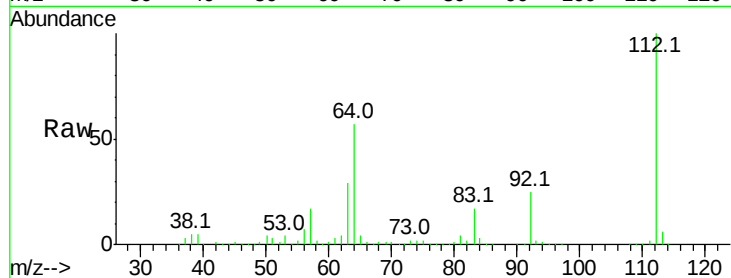
63 28.5 23.8 35.6

Manual Integrations

APPROVED

mohammad

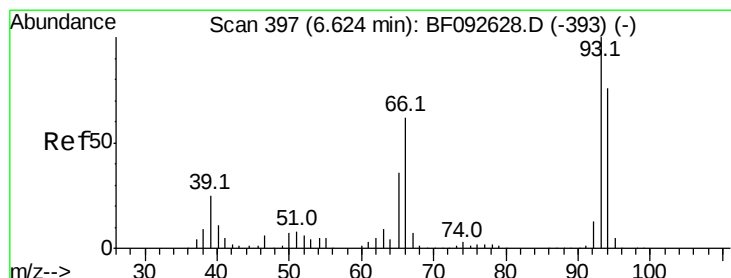
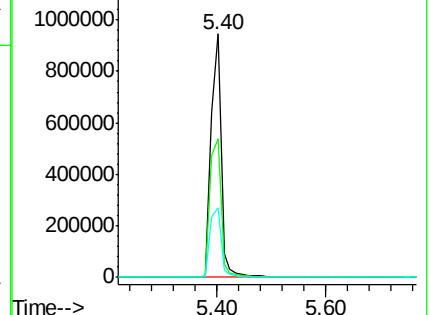
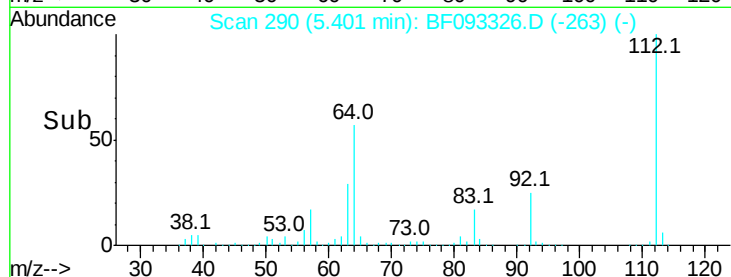
3/3/2017 5:16:39 PM



Abundance Ion 112.00 (111.70 to 112.70): BF0

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 20.51 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

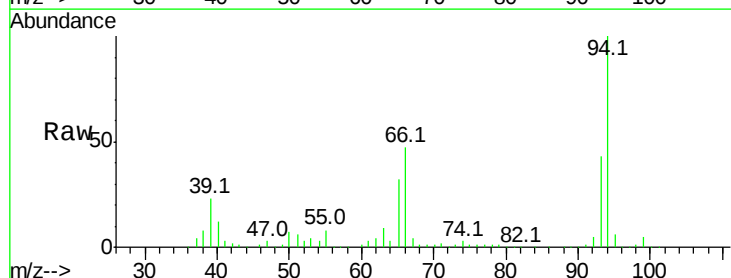
Tgt Ion: 93 Resp: 325914

Ion Ratio Lower Upper

93 100

66 110.5 76.2 114.2

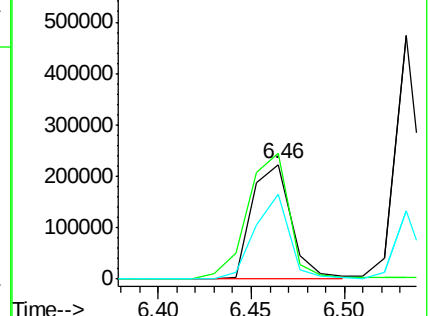
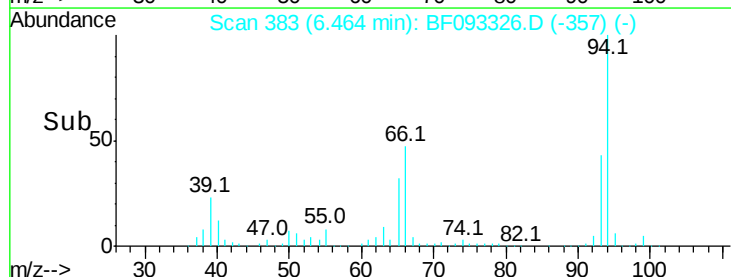
65 74.0 49.3 73.9#

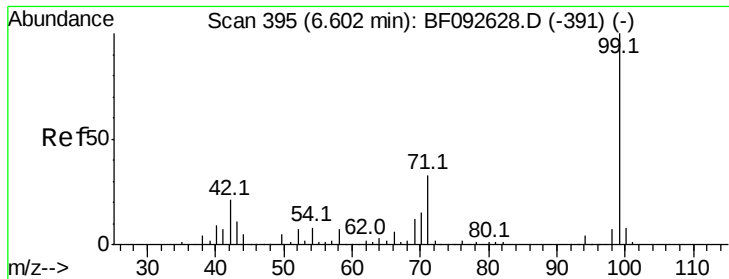


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 132.76 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

PB97286BSD

Tot Ion: 99 Resp: 1546261

Ion Ratio Lower Upper

99 100

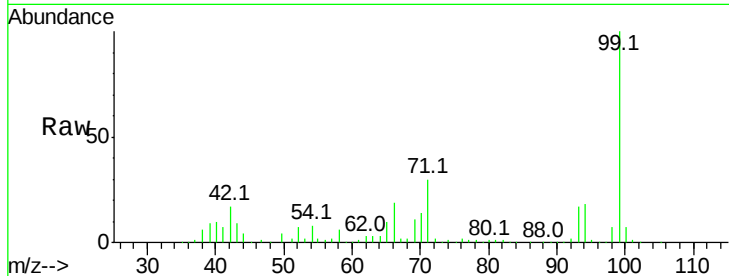
42 17.5 15.6 23.4

71 30.3 27.5 41.3

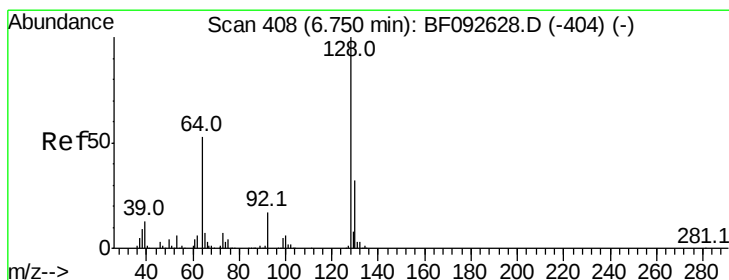
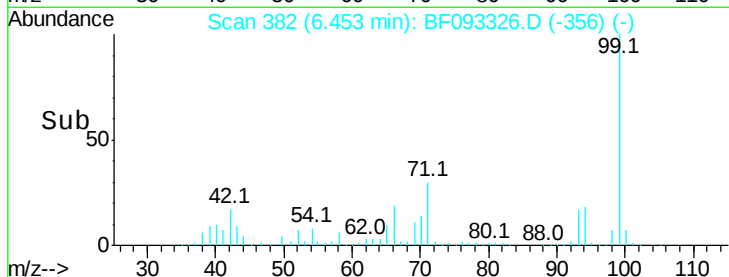
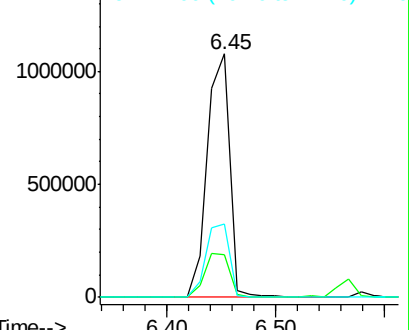
Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 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: 41.33 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

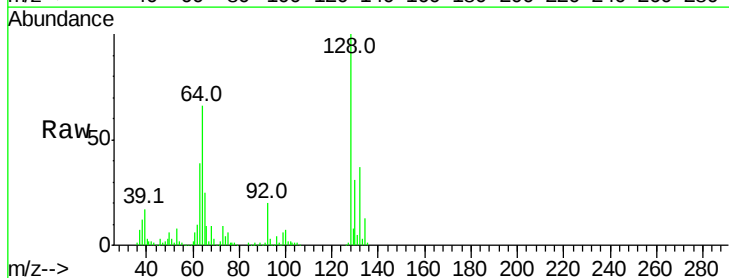
Tgt Ion: 128 Resp: 412724

Ion Ratio Lower Upper

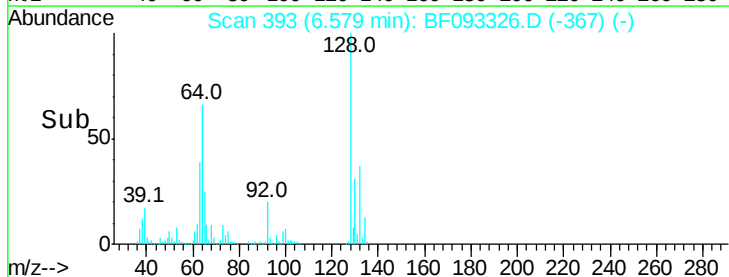
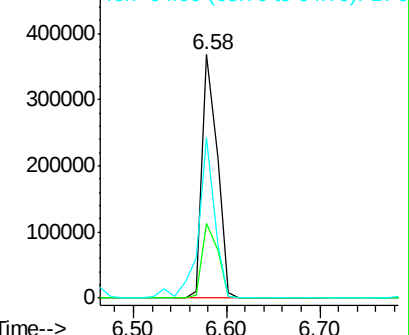
128 100

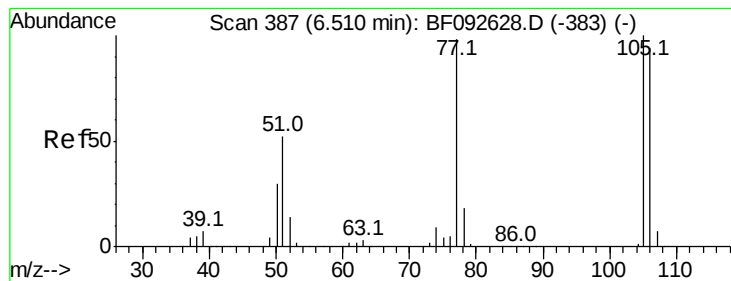
130 30.9 12.3 52.3

64 66.1 32.2 72.2



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: 14.00 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

PB97286BSD

Tot Ion: 77 Resp: 116848

Ion Ratio Lower Upper

77 100

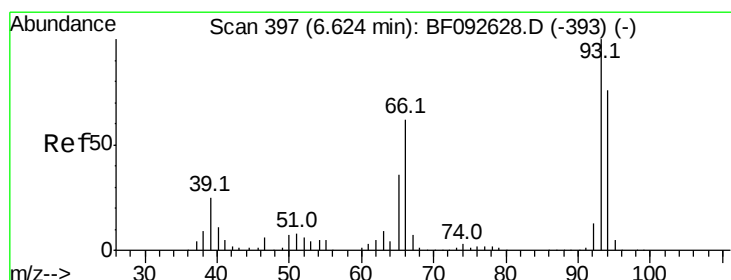
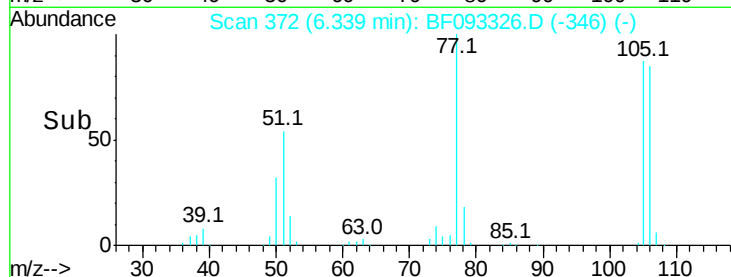
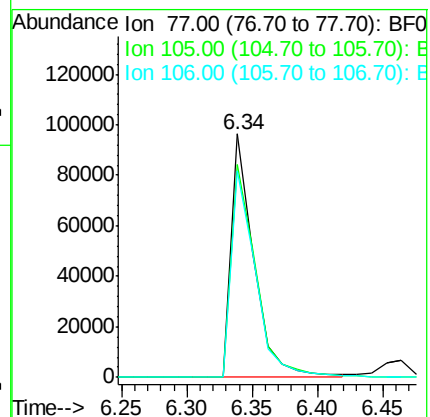
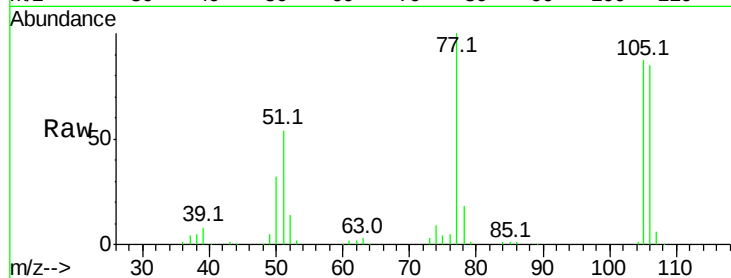
105 87.4 83.9 123.9

106 85.0 77.6 117.6

Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



#10

Phenol

Concen: 39.54 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

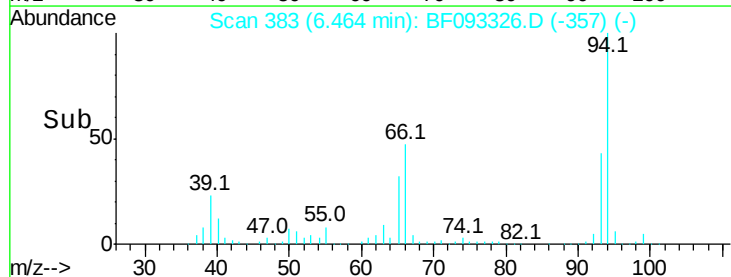
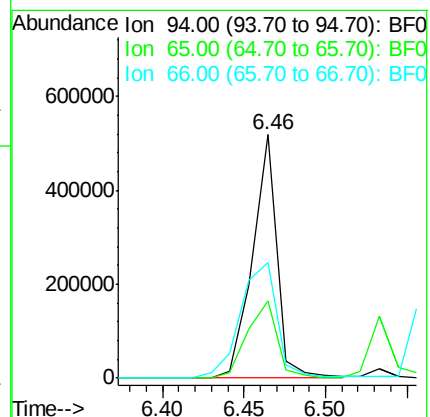
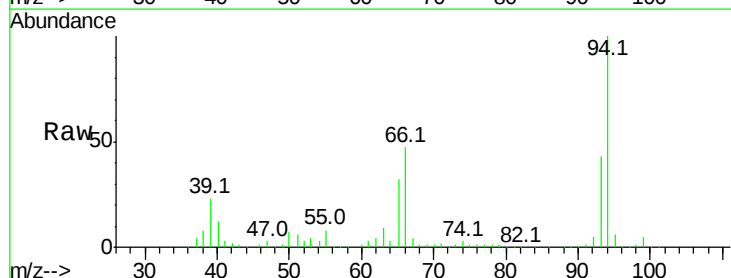
Tgt Ion: 94 Resp: 538758

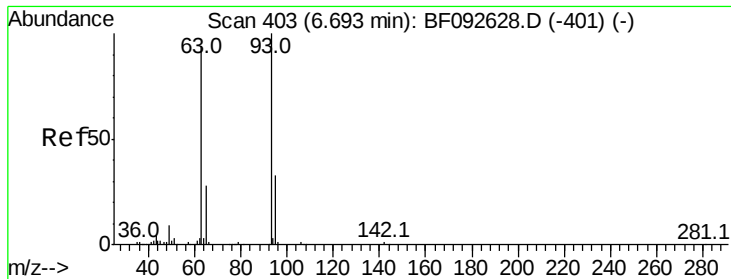
Ion Ratio Lower Upper

94 100

65 31.7 21.4 61.4

66 47.3 44.0 84.0





#11

bis(2-Chloroethyl)ether

Concen: 38.50 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

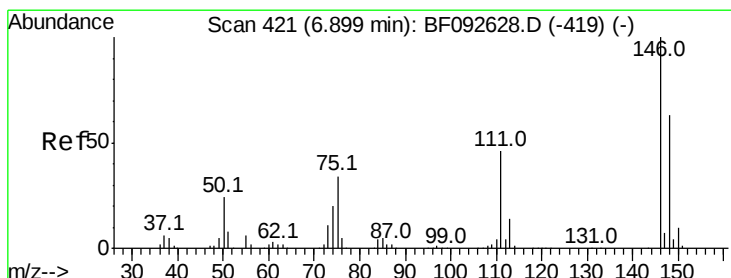
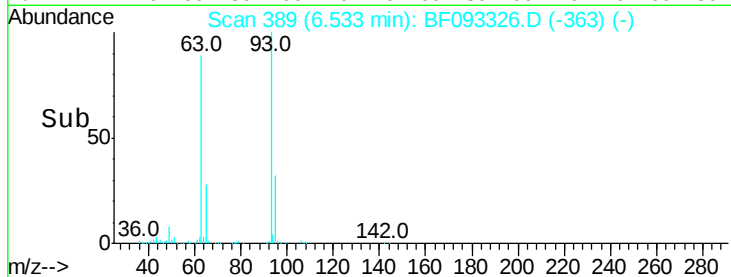
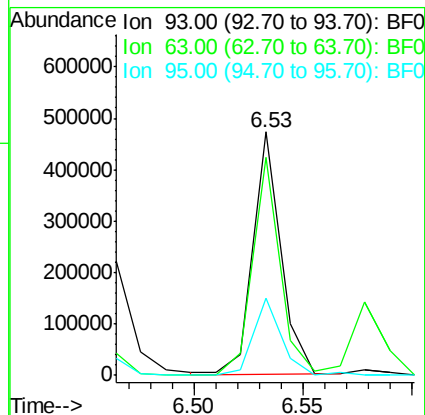
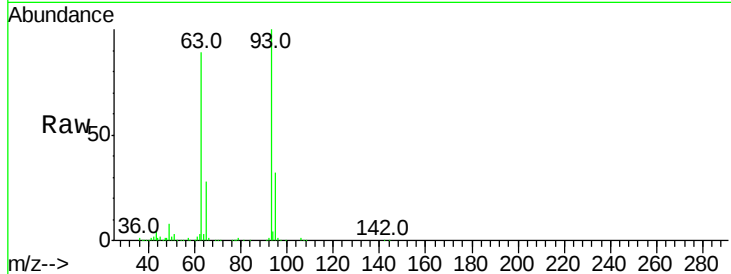
PB97286BSD

Tot Ion	93	Resp	418727
Ion Ratio	100	Lower	Upper
93	100		
63	89.4	60.4	100.4
95	31.9	12.8	52.8

Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



#12

1,3-Dichlorobenzene

Concen: 38.92 ng m

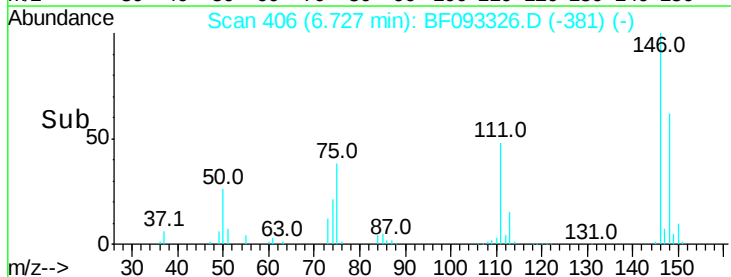
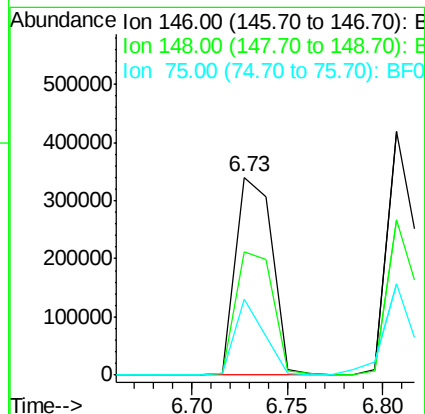
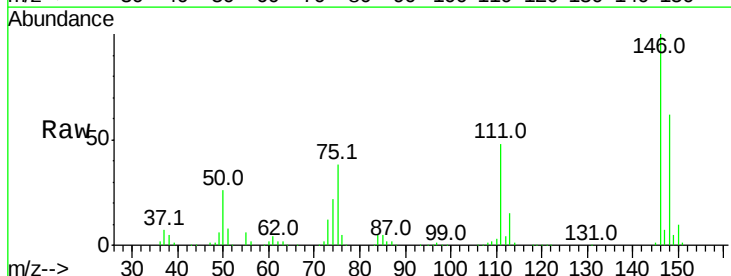
RT: 6.73 min Scan# 406

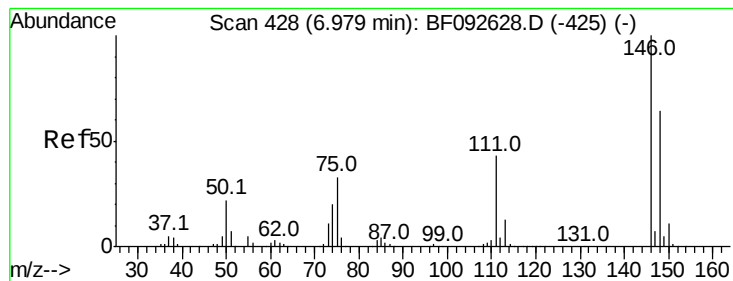
Delta R.T. -0.01 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Tgt Ion	146	Resp	455248
Ion Ratio	100	Lower	Upper
146	100		
148	62.4	53.4	80.0
75	38.3	18.5	27.7#





#13

1,4-Dichlorobenzene

Concen: 38.59 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

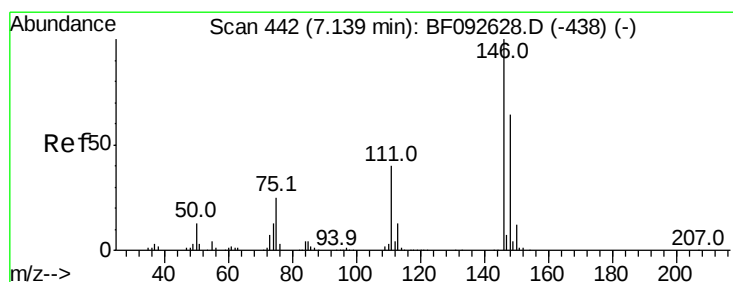
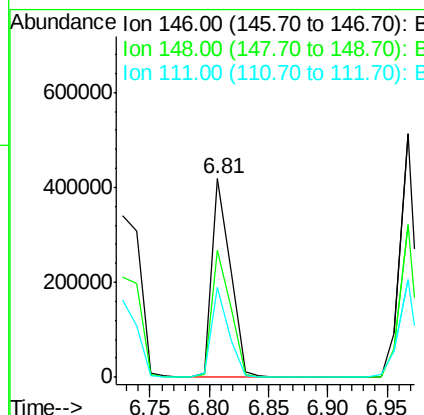
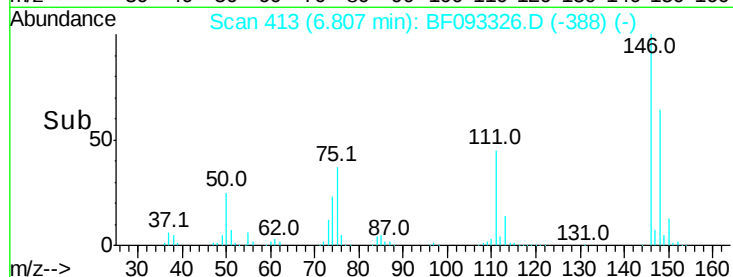
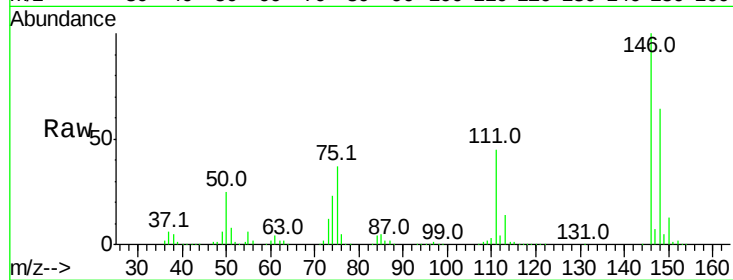
PB97286BSD

Tot Ion:	146	Resp:	456788
Ion Ratio	Lower	Upper	
146	100		
148	63.8	50.6	76.0
111	45.2	36.2	54.4

Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



#14

1,2-Dichlorobenzene

Concen: 38.83 ng

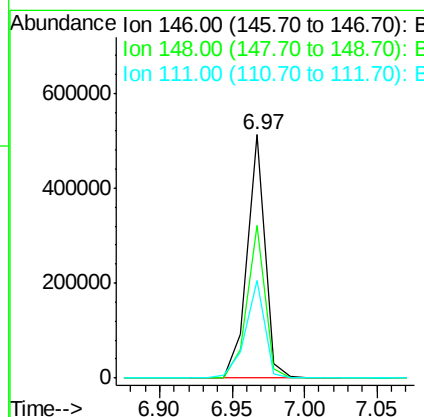
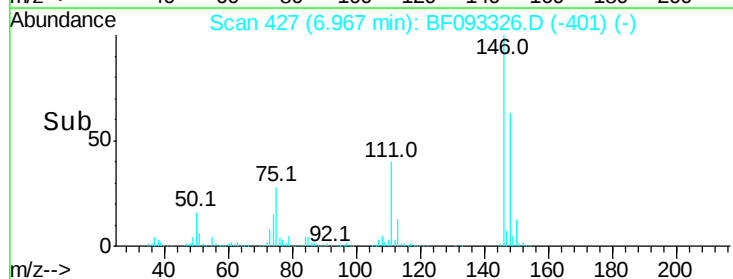
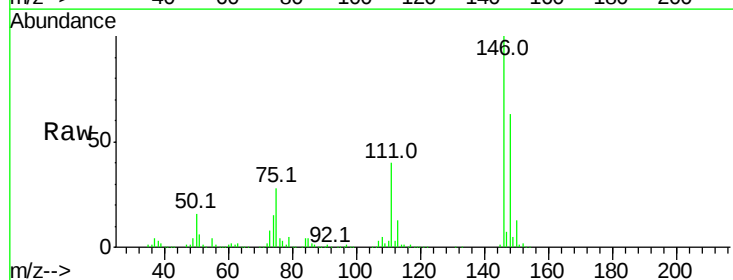
RT: 6.97 min Scan# 427

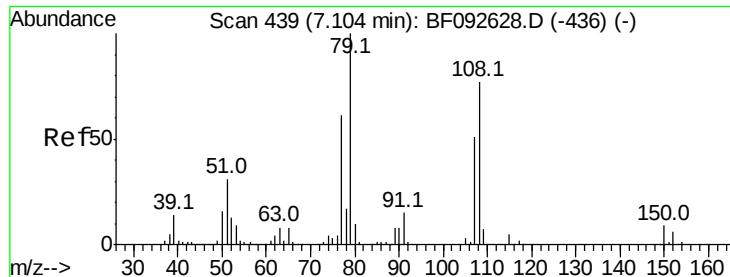
Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Tgt Ion:	146	Resp:	439521
Ion Ratio	Lower	Upper	
146	100		
148	62.8	52.2	78.2
111	40.3	36.2	54.2





#15
Benzyl Alcohol
Concen: 39.00 ng
RT: 6.94 min Scan# 425
Delta R.T. -0.01 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

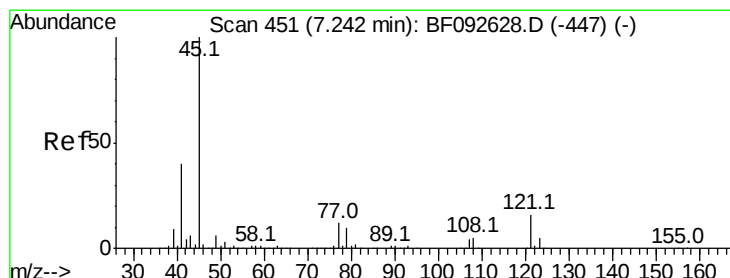
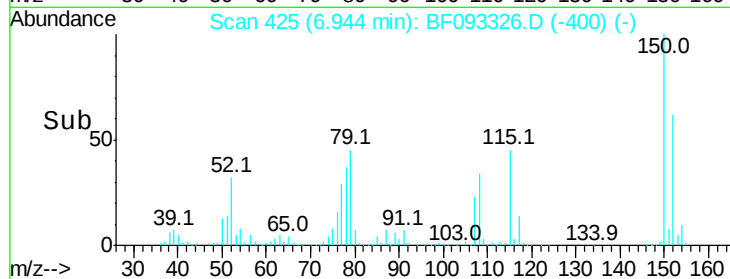
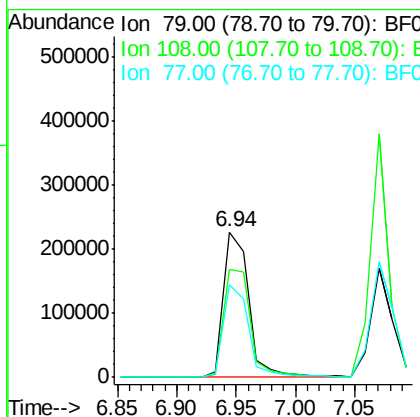
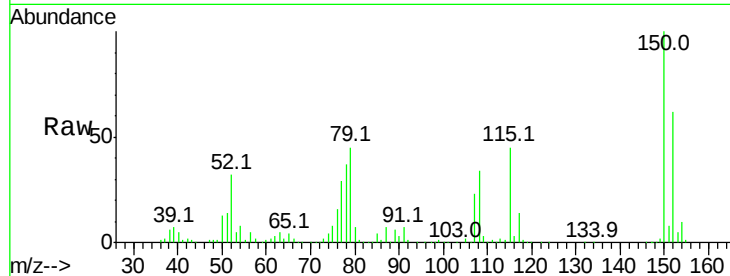
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	74.3	61.4	92.0
77	63.5	50.9	76.3

Manual Integrations
APPROVED

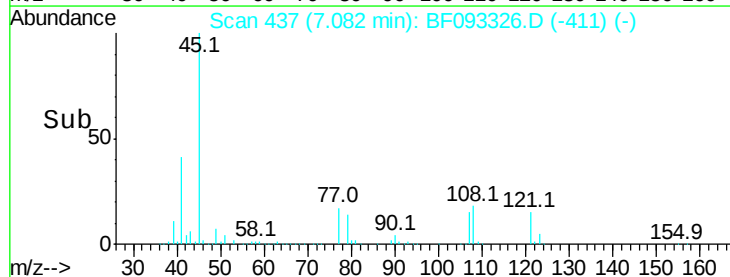
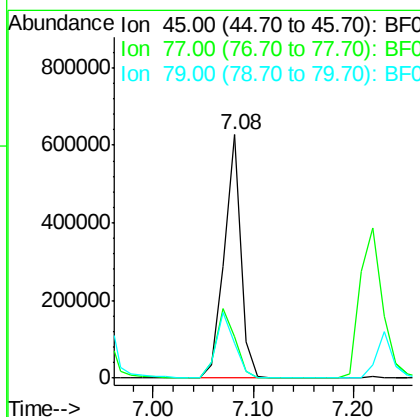
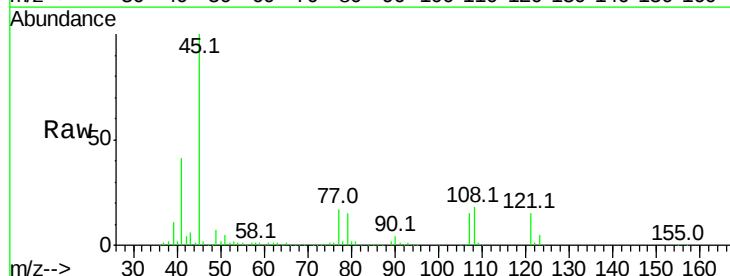
mohammad

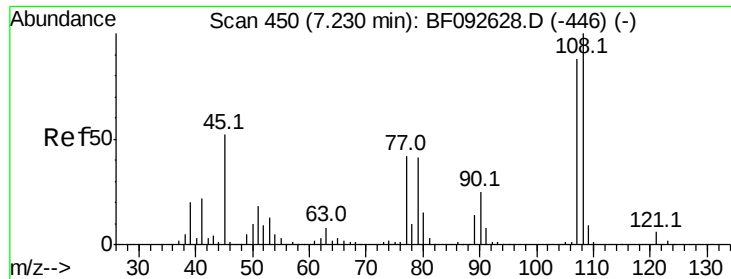
3/3/2017 5:16:39 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.07 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	34.6
79	14.5	0.0	31.2





#17
2-Methylphenol
Concen: 41.86 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

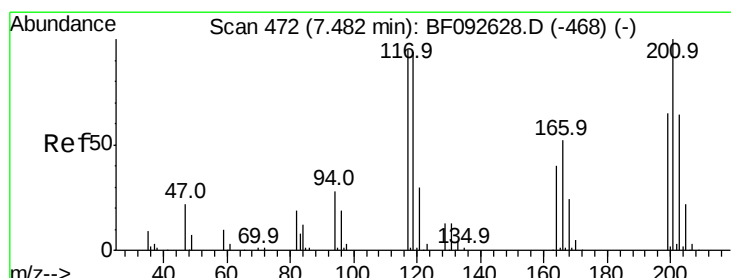
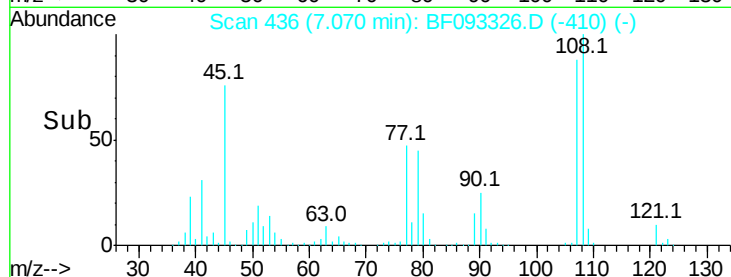
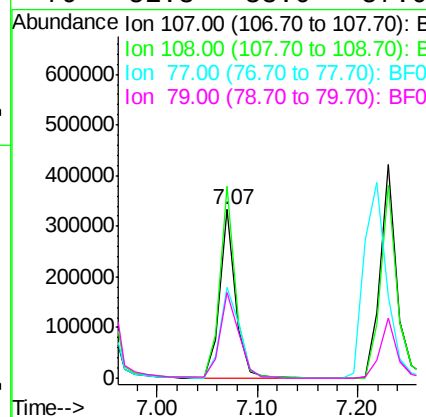
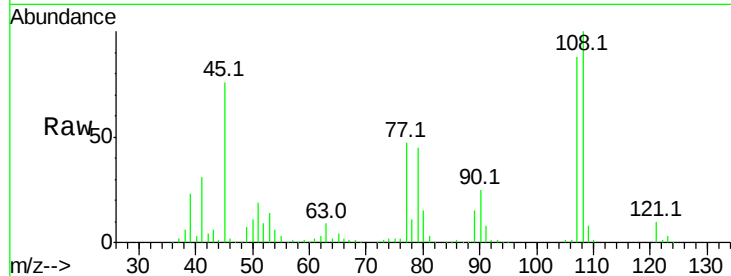
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	107	Resp	358636
Ion Ratio	Lower	Upper	
107	100		
108	114.0	93.0	139.6
77	54.1	39.8	59.8
79	51.3	38.0	57.0

Manual Integrations
APPROVED

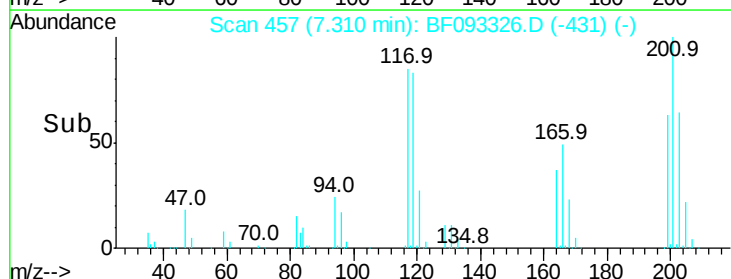
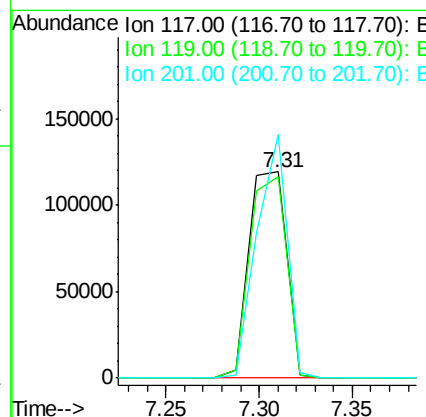
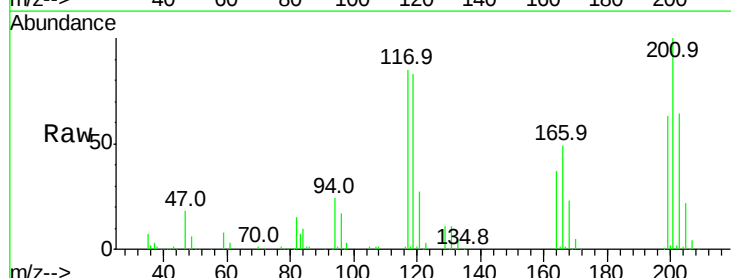
mohammad

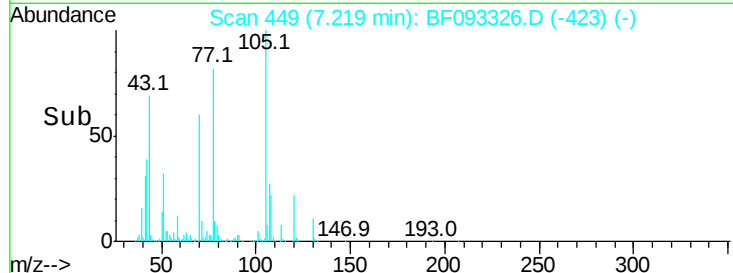
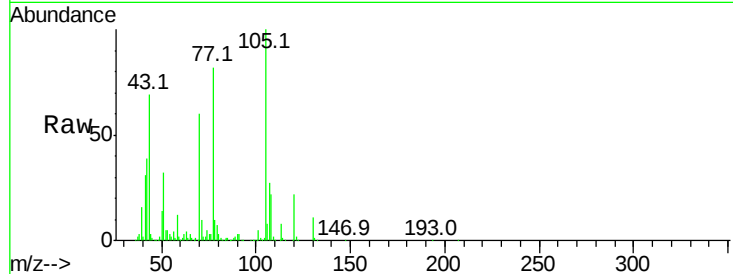
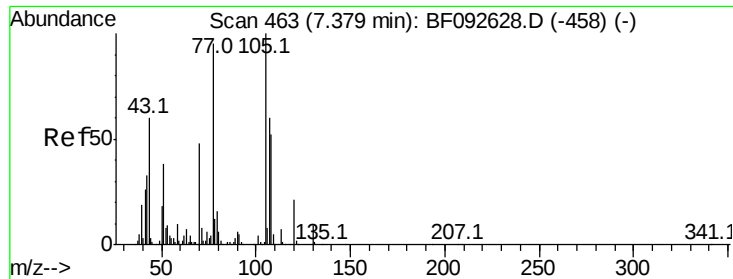
3/3/2017 5:16:39 PM



#18
Hexachloroethane
Concen: 41.21 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	117	Resp	166538
Ion Ratio	Lower	Upper	
117	100		
119	97.8	78.1	117.1
201	118.2	78.6	117.8#





#19
n-Nitroso-di-n-propylamine
Concen: 42.79 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

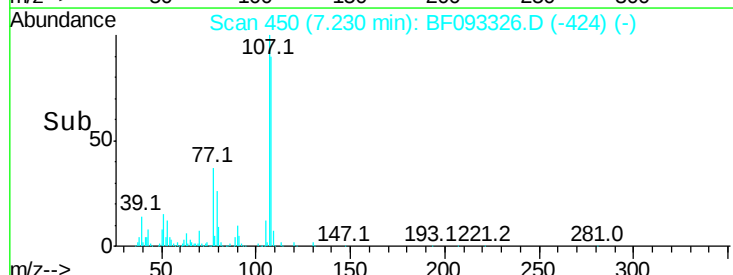
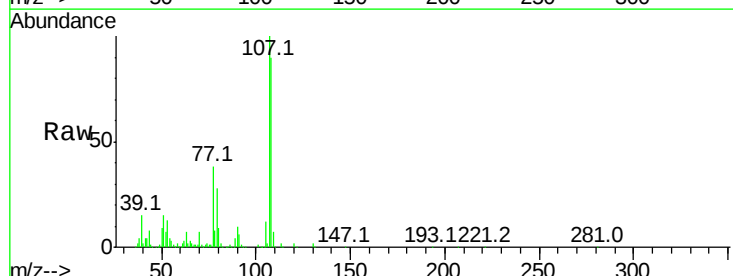
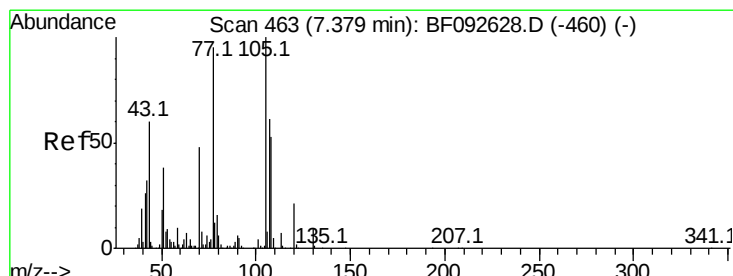
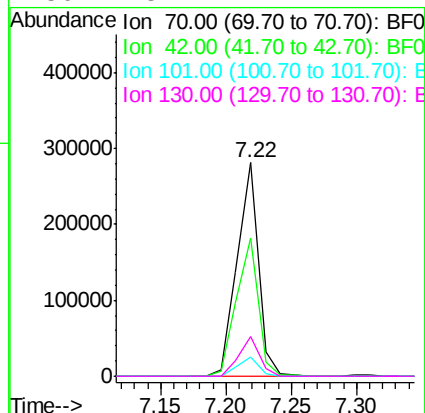
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	65.0	49.4	74.0
101	8.9	7.4	11.2
130	18.4	14.2	21.4

Manual Integrations
APPROVED

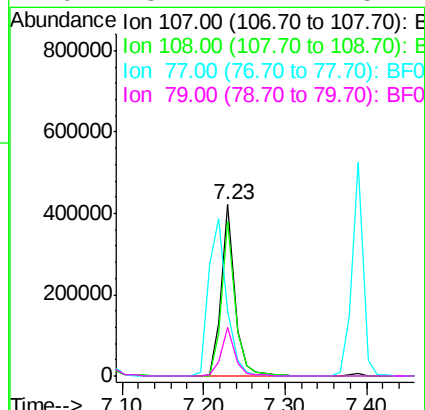
mohammad

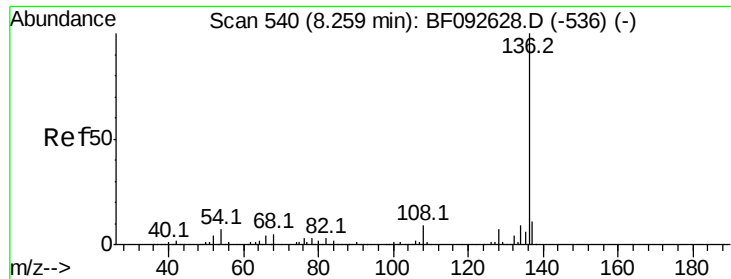
3/3/2017 5:16:39 PM



#20
3+4-Methylphenols
Concen: 47.55 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.5	73.0	113.0
77	38.2	71.3	111.3
79	28.2	11.1	51.1





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

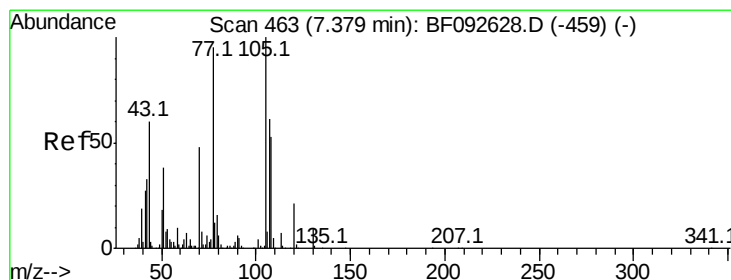
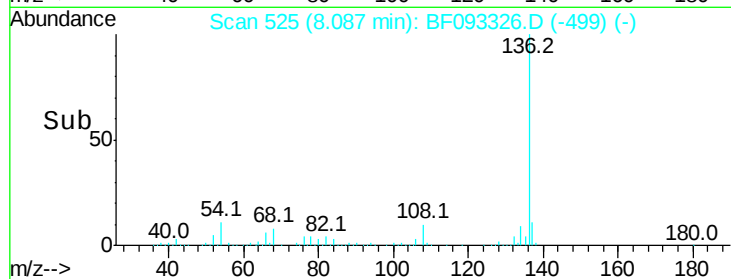
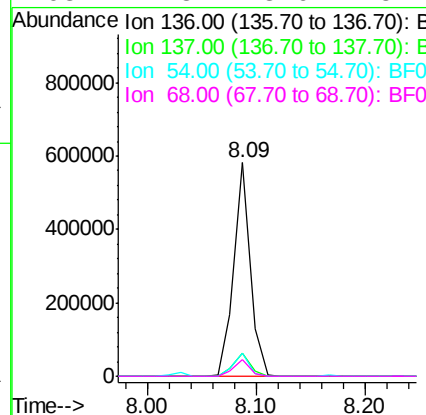
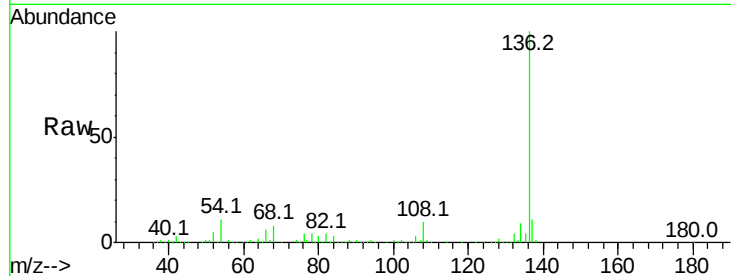
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	607625		
137	10.9		8.4	12.6
54	10.7		4.5	6.7#
68	7.8		3.6	5.4#

Manual Integrations
APPROVED

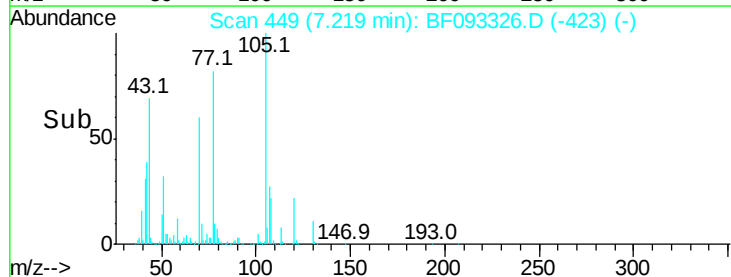
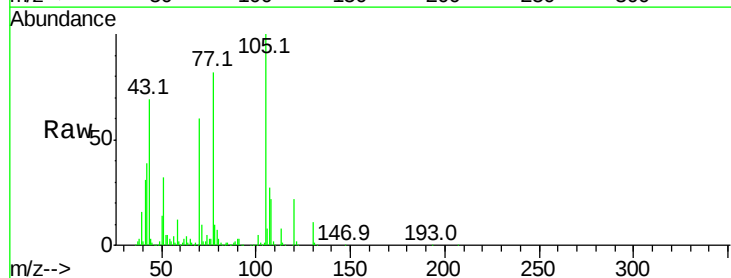
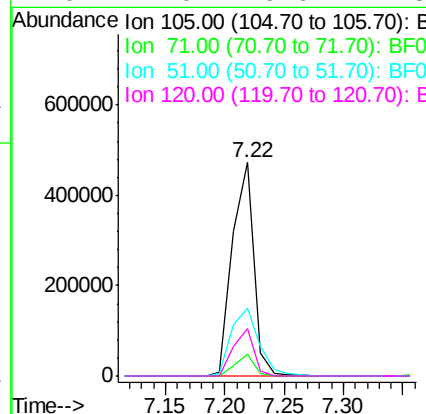
mohammad

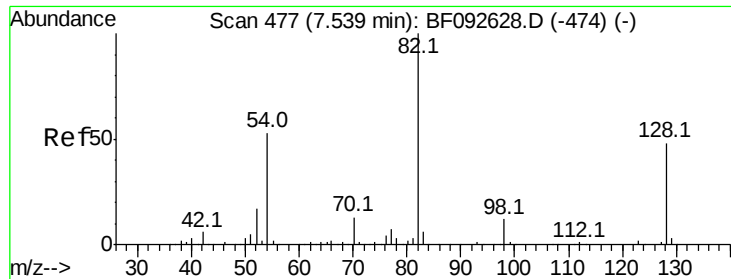
3/3/2017 5:16:39 PM



#22
Acetophenone
Concen: 42.90 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	595093		
71	10.2		3.2	4.8#
51	31.6		26.2	39.4
120	22.0		16.6	24.8





#23
 Nitrobenzene-d5
 Concen: 87.00 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

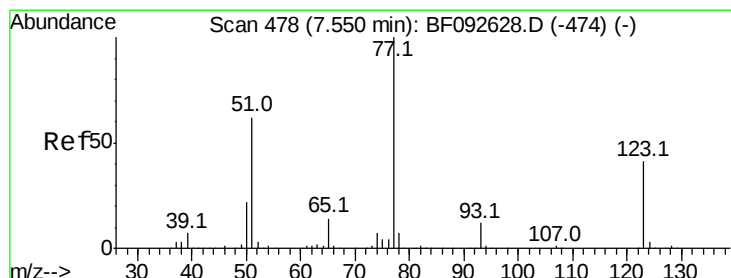
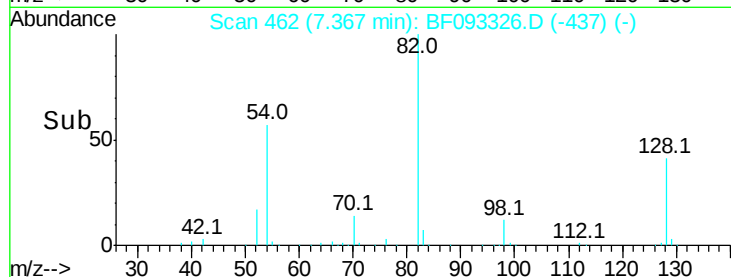
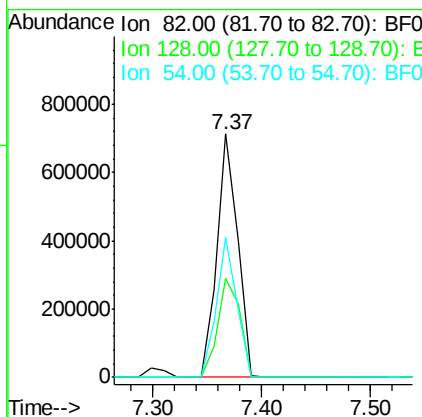
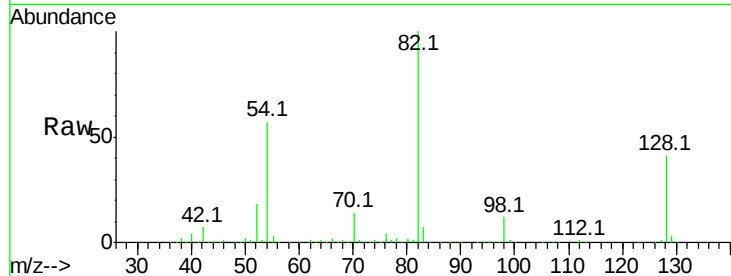
Instrument :
 BNA_F
 ClientSampleID :
 PB97286BSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	34.6	52.0
54	57.4	39.5	59.3

Manual Integrations
 APPROVED

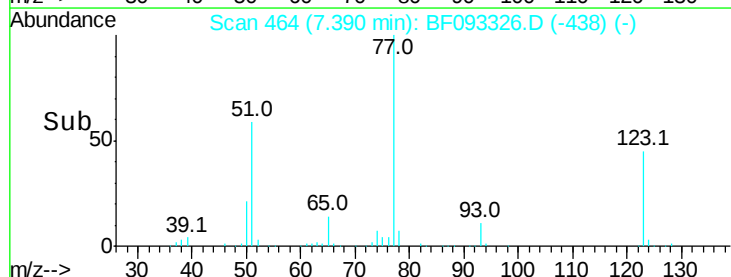
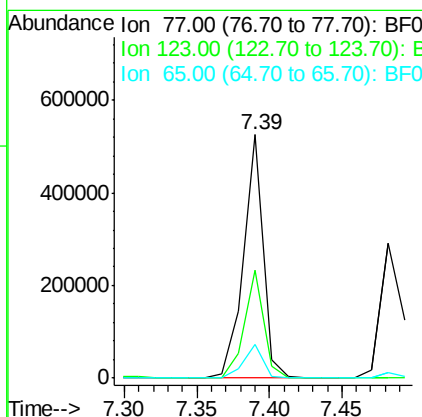
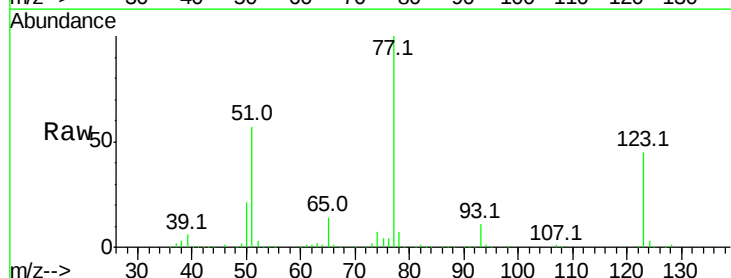
mohammad

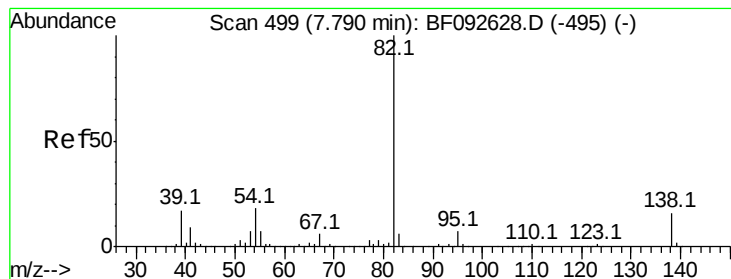
3/3/2017 5:16:39 PM



#24
 Nitrobenzene
 Concen: 44.22 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.6	33.0	49.4
65	13.7	11.2	16.8





#25

Isophorone

Concen: 43.61 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

PB97286BSD

Tot Ion: 82 Resp: 886776

Ion Ratio Lower Upper

82 100

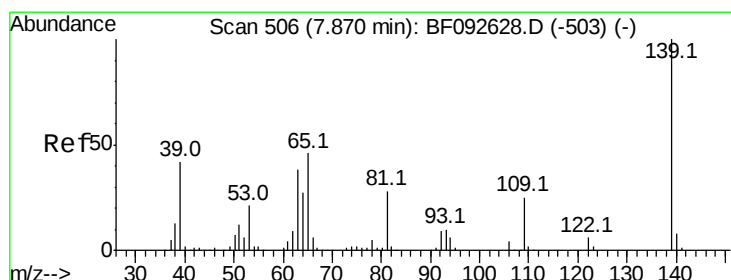
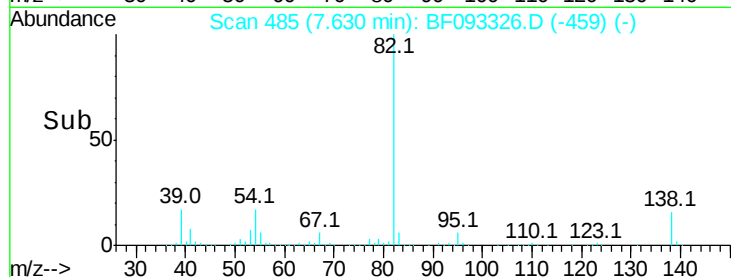
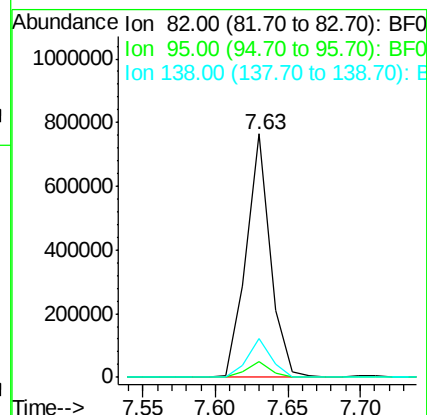
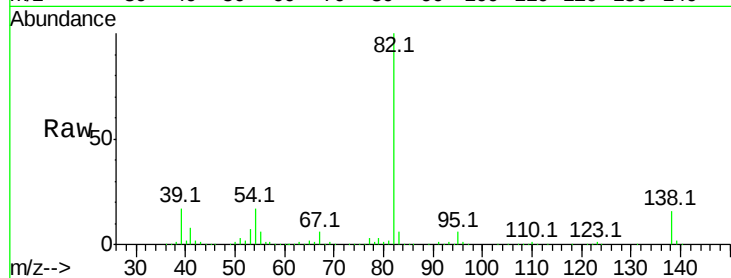
95 6.4 5.6 8.4

138 15.8 14.6 22.0

Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



#26

2-Nitrophenol

Concen: 46.06 ng

RT: 7.71 min Scan# 492

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

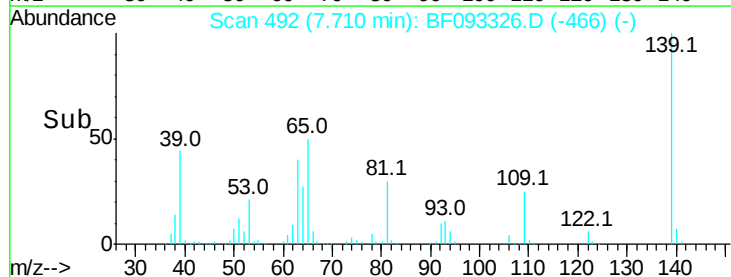
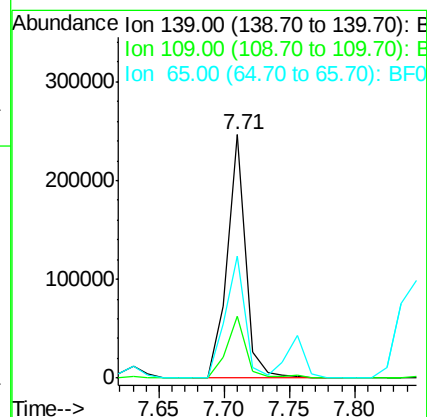
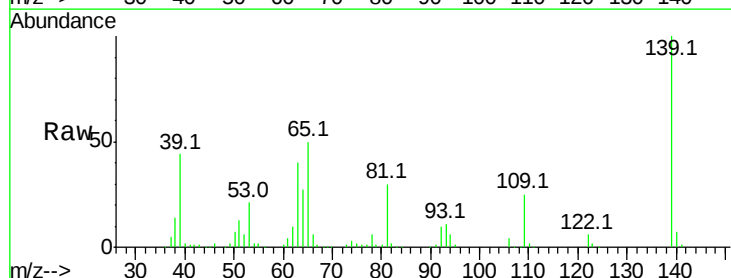
Tgt Ion: 139 Resp: 245297

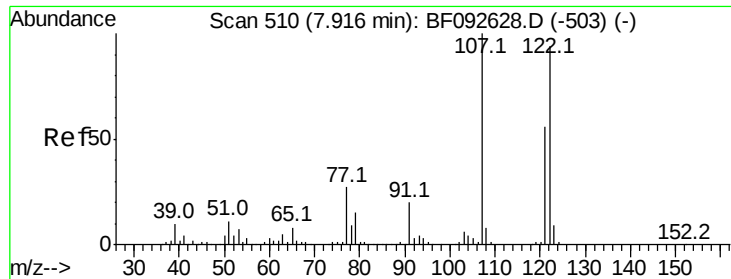
Ion Ratio Lower Upper

139 100

109 25.2 23.3 34.9

65 50.0 42.7 64.1





#27
2,4-Dimethylphenol
Concen: 44.74 ng
RT: 7.76 min Scan# 496
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

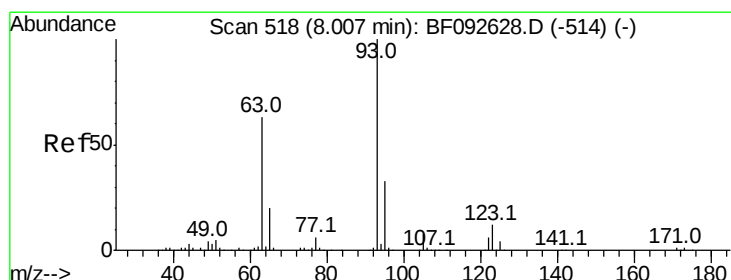
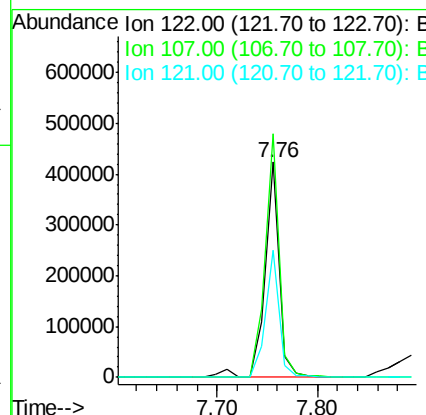
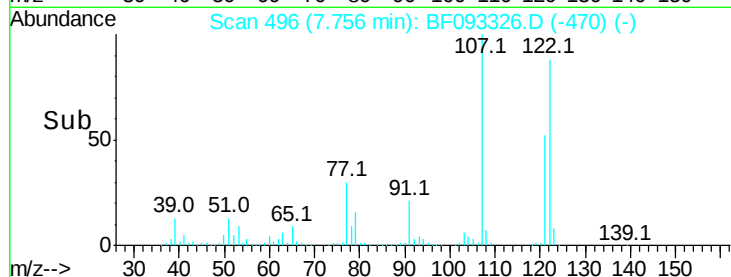
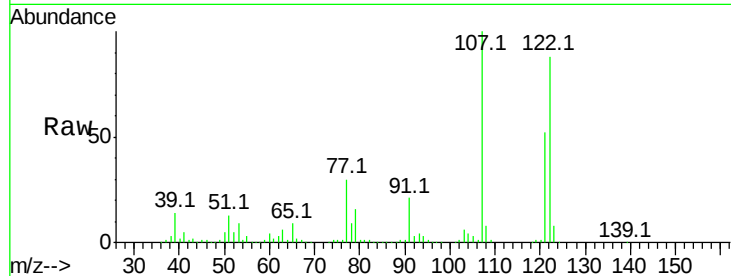
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.2	94.1	141.1
121	58.9	46.0	69.0

Manual Integrations
APPROVED

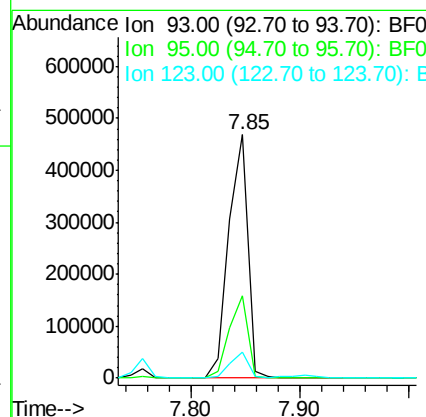
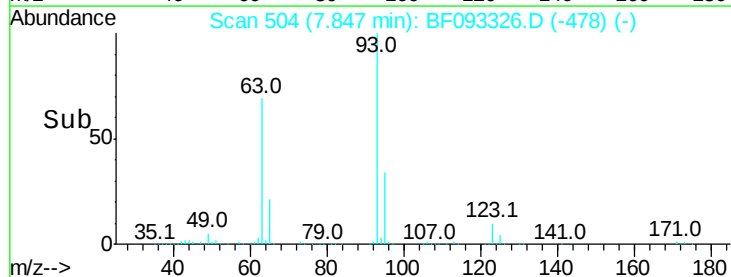
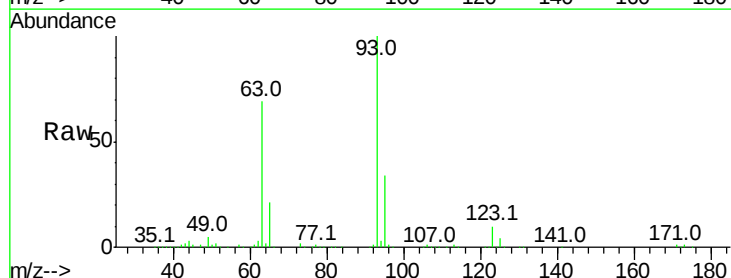
mohammad

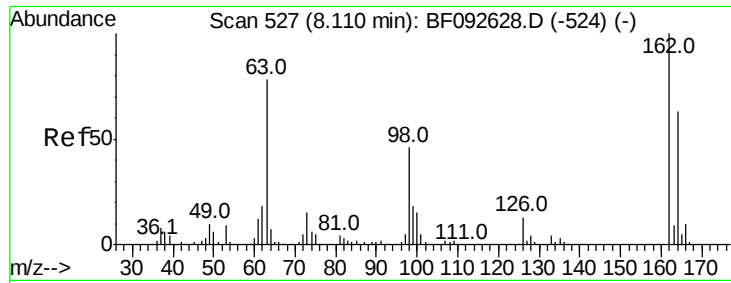
3/3/2017 5:16:39 PM



#28
bis(2-Chloroethoxy)methane
Concen: 42.47 ng
RT: 7.85 min Scan# 504
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.8	26.5	39.7
123	10.5	8.6	13.0





#29
 2,4-Dichlorophenol
 Concen: 43.61 ng
 RT: 7.96 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

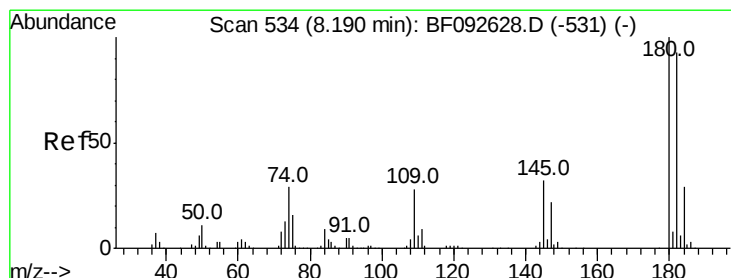
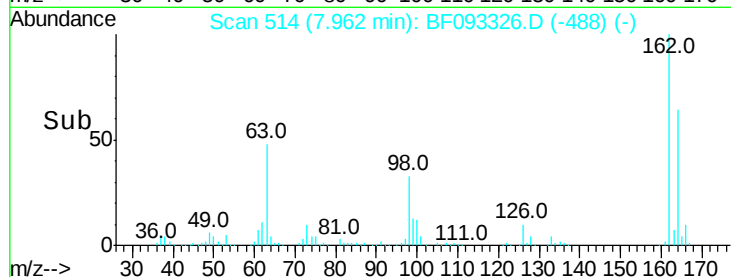
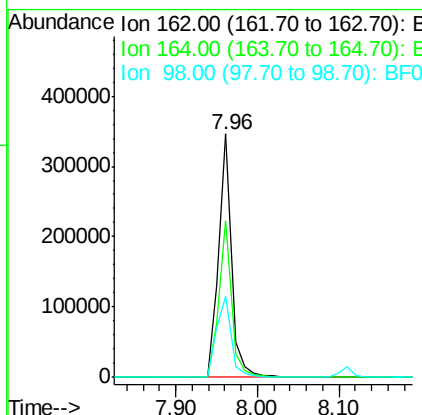
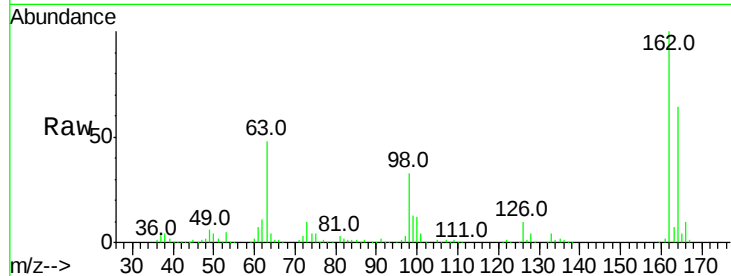
Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	380423		
164	64.4	46.8	86.8	
98	33.4	9.1	49.1	

Manual Integrations
 APPROVED

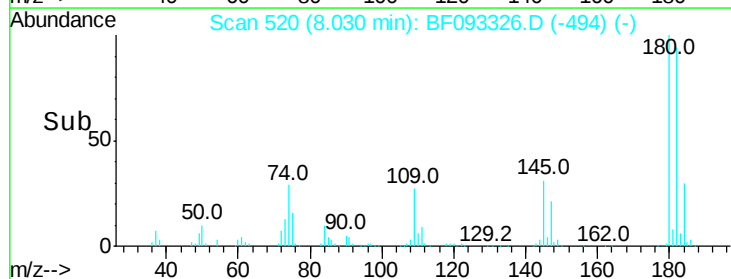
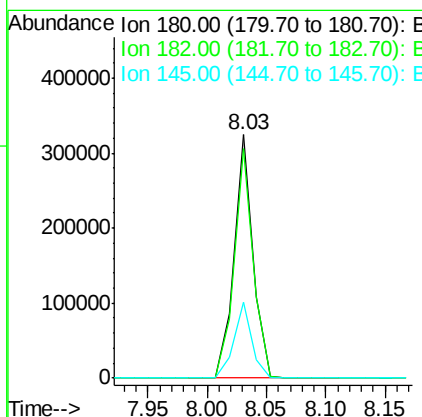
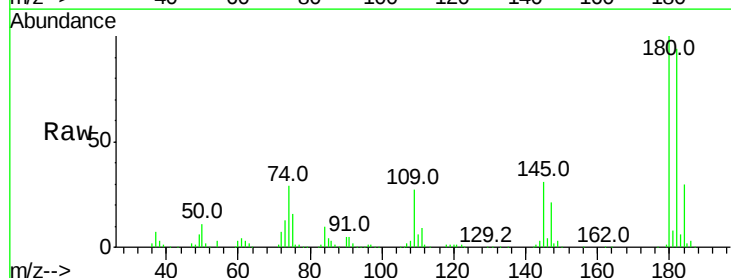
mohammad

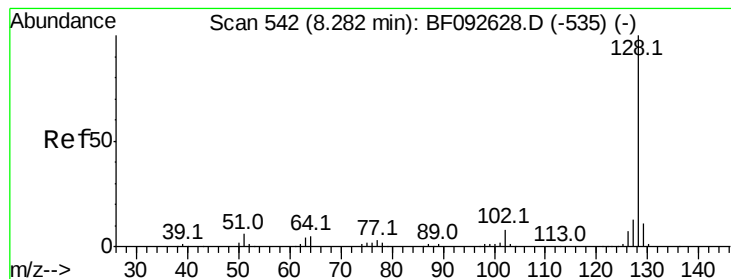
3/3/2017 5:16:39 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 38.22 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	359260		
182	94.4	78.2	117.4	
145	31.4	21.6	32.4	





#31

Naphthalene

Concen: 38.60 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

PB97286BSD

Tot Ion:128 Resp: 1188834

Ion Ratio Lower Upper

128 100

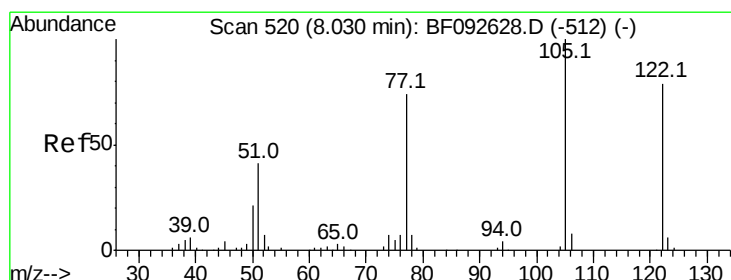
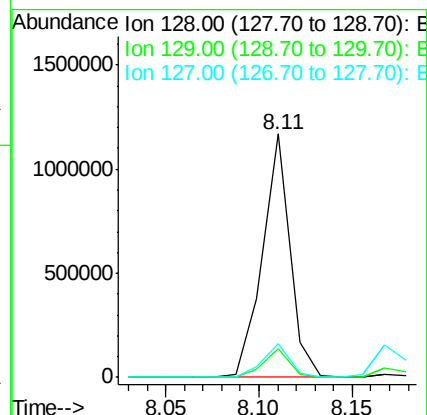
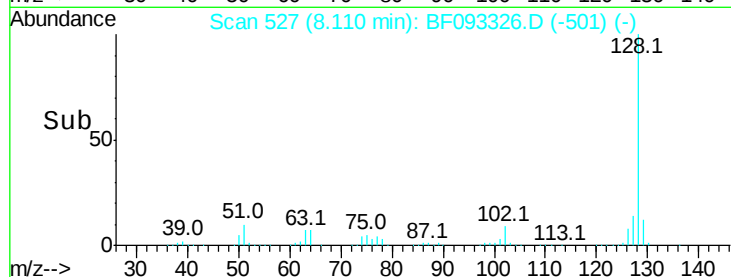
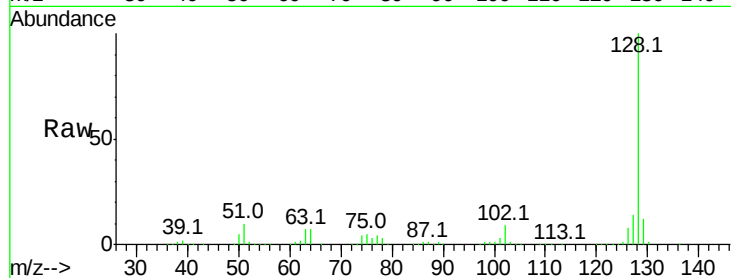
129 11.6 9.5 14.3

127 13.8 10.8 16.2

Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



#32

Benzoic acid

Concen: 31.83 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

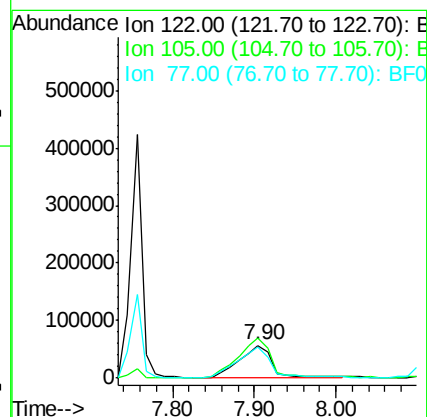
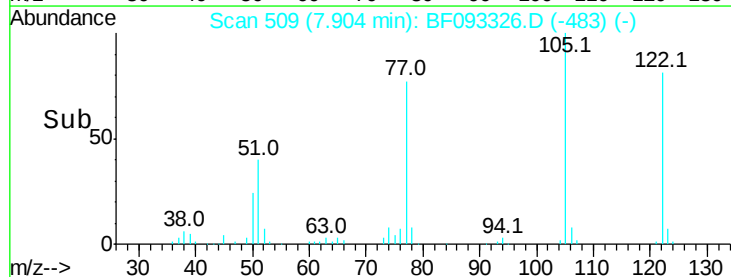
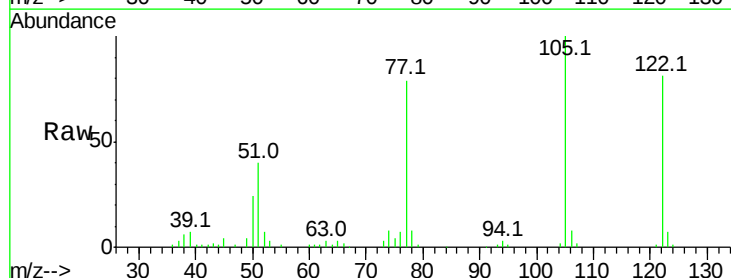
Tgt Ion:122 Resp: 153668

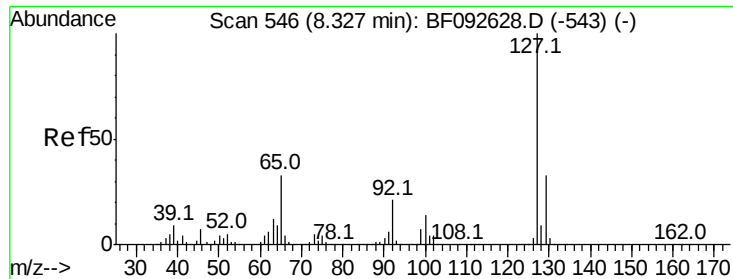
Ion Ratio Lower Upper

122 100

105 122.7 107.2 147.2

77 96.4 74.5 114.5





#33
4-Chloroaniline
Concen: 17.07 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

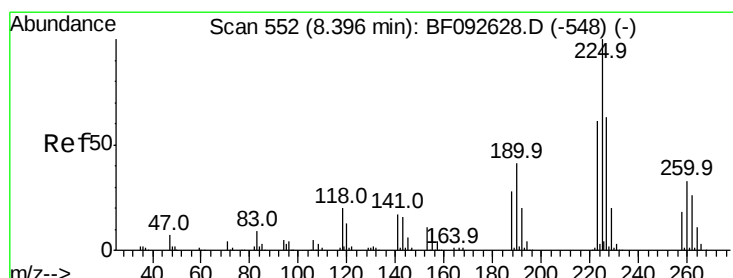
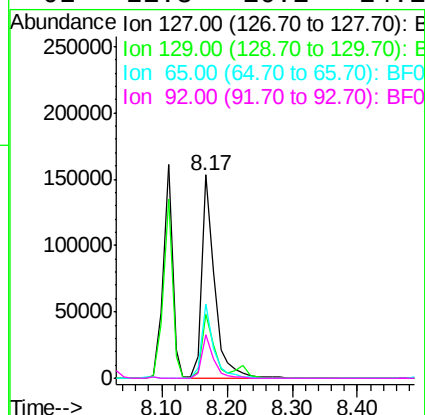
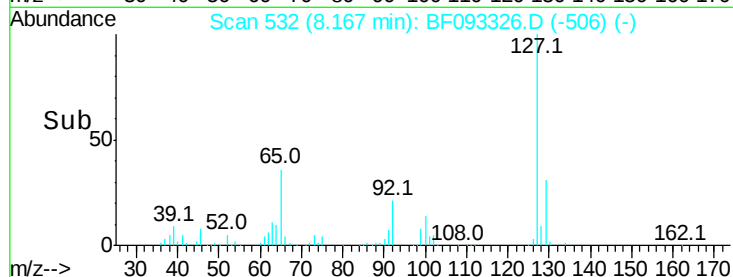
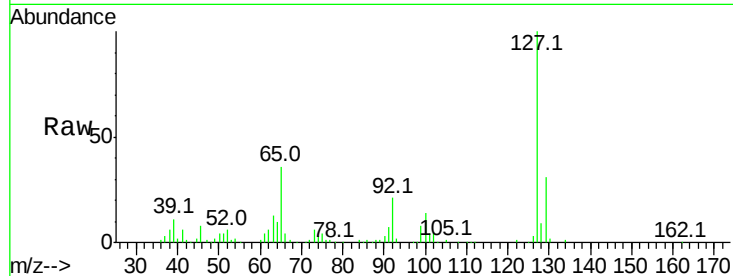
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.2	26.3	39.5		
65	36.5	25.8	38.8		
92	21.3	16.1	24.1		

Manual Integrations
APPROVED

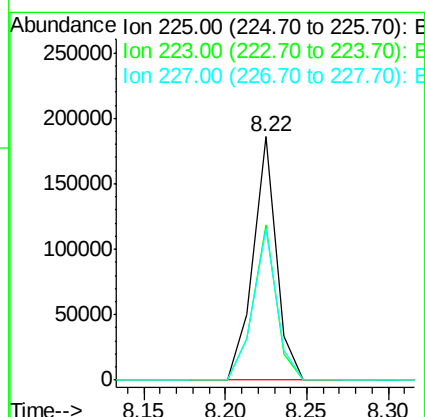
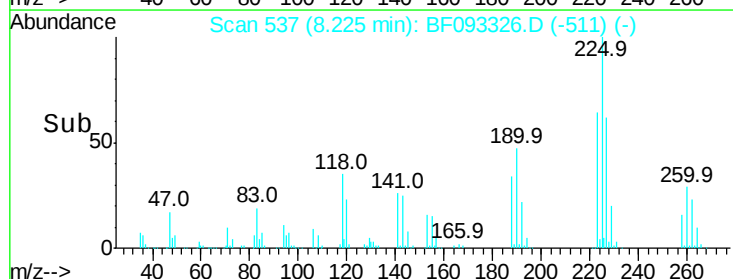
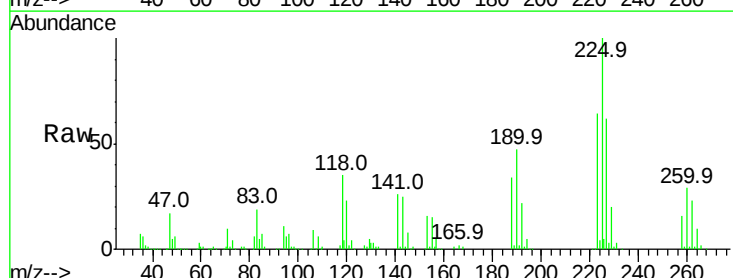
mohammad

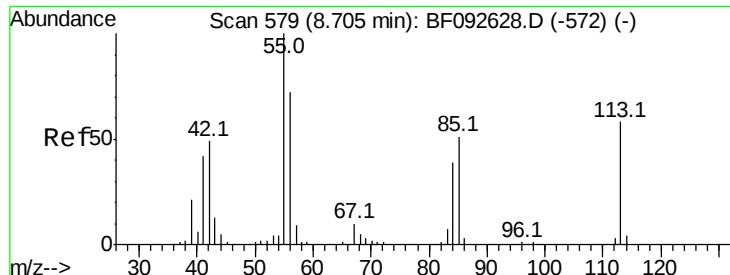
3/3/2017 5:16:39 PM



#34
Hexachlorobutadiene
Concen: 35.92 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.6	51.0	76.6		
227	62.3	50.6	76.0		





#35
 Caprolactam
 Concen: 44.11 ng/ml
 RT: 8.54 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

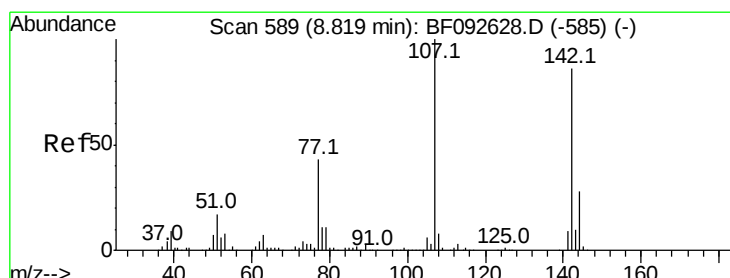
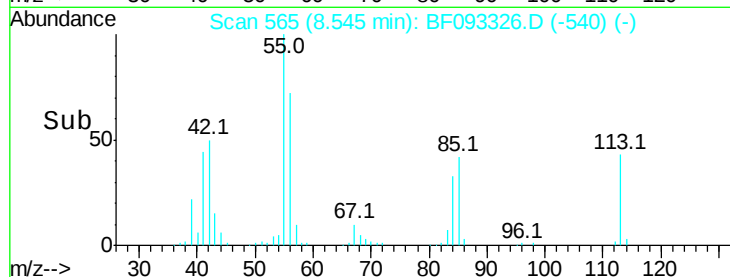
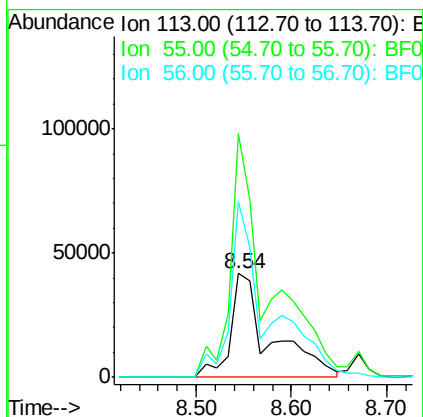
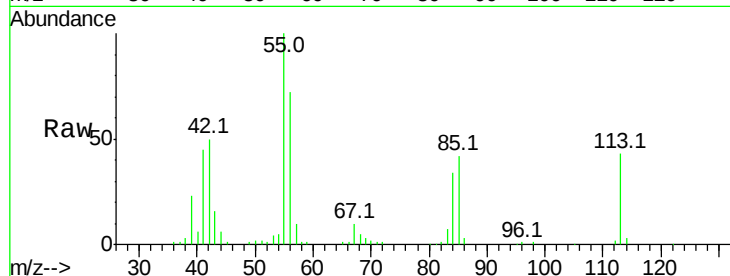
Instrument :
 BNA_F
 ClientSampleID :
 PB97286BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	234.6	119.2	159.2#
56	169.2	83.8	123.8#

Manual Integrations
 APPROVED

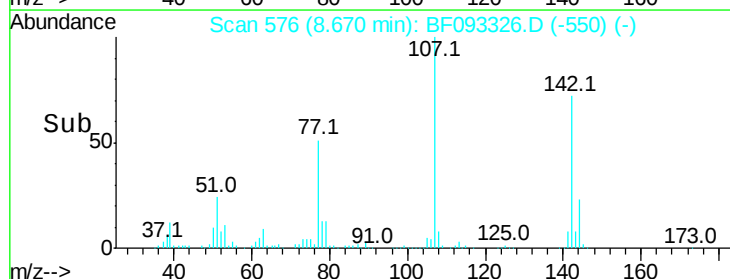
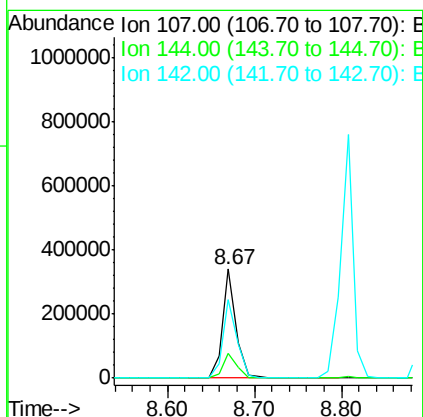
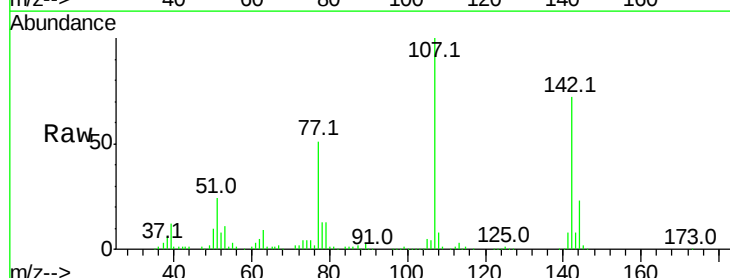
mohammad

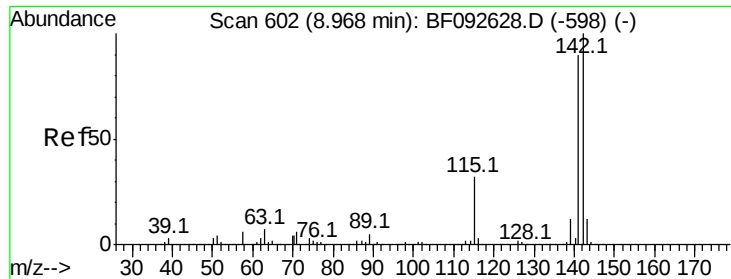
3/3/2017 5:16:39 PM



#36
 4-Chloro-3-methylphenol
 Concen: 40.85 ng
 RT: 8.67 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.9	19.3	28.9
142	72.4	59.0	88.6





#37
2-Methylnaphthalene
Concen: 38.94 ng
RT: 8.81 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

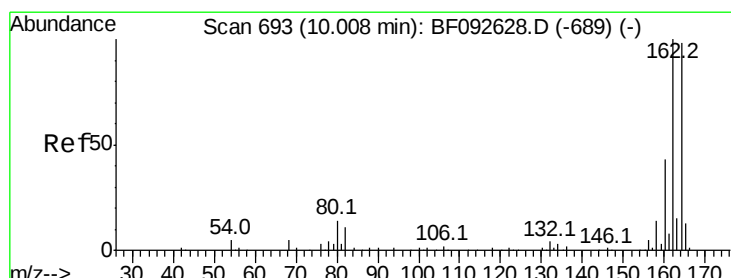
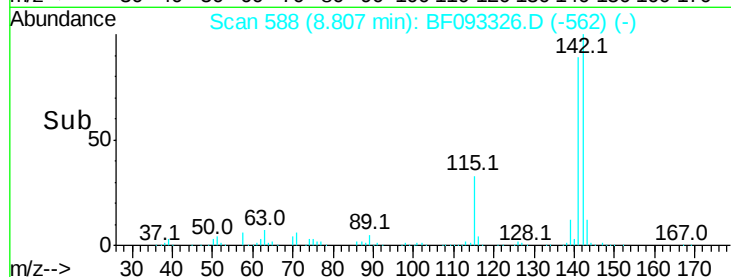
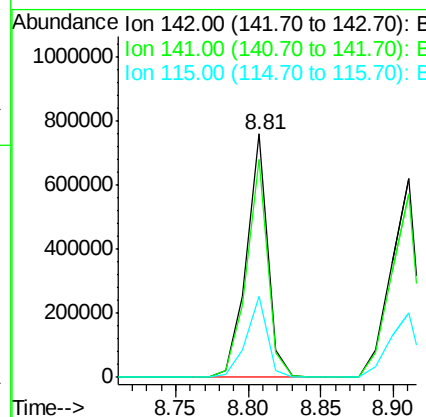
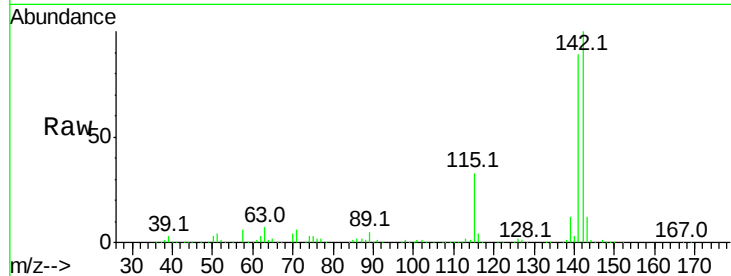
Instrument :
BNA_F
ClientSampleID :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.0	106.6
115	33.5	28.3	42.5

Manual Integrations
APPROVED

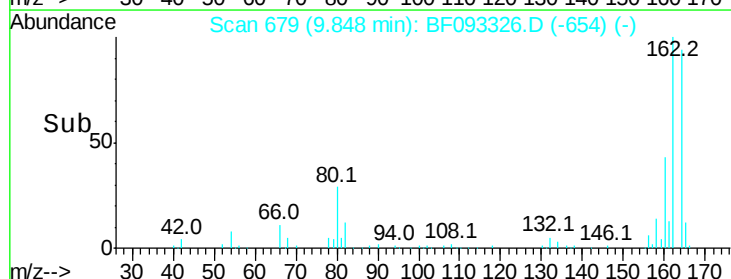
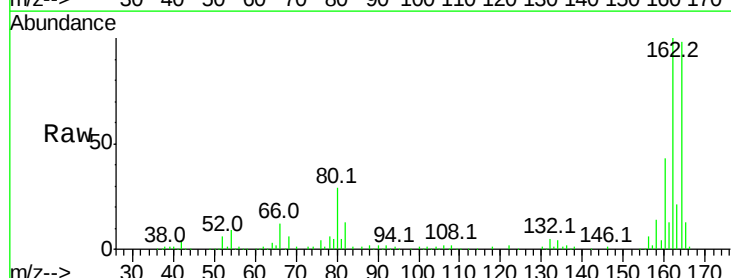
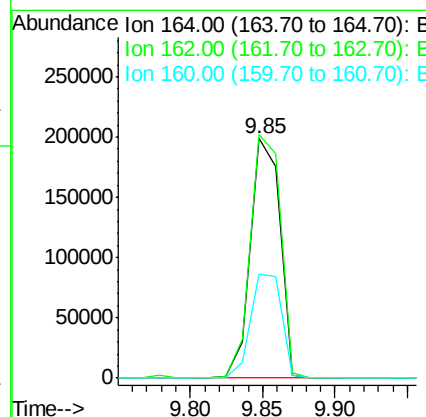
mohammad

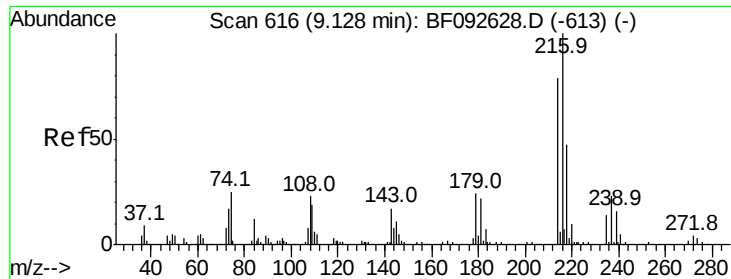
3/3/2017 5:16:39 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.2	120.2
160	43.7	36.9	55.3





#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.28 ng
 RT: 8.98 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

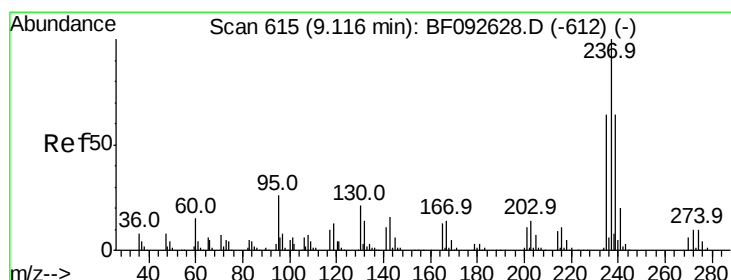
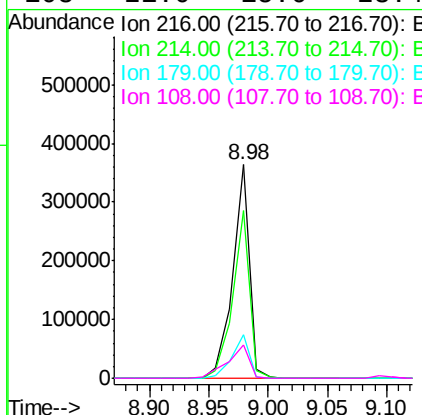
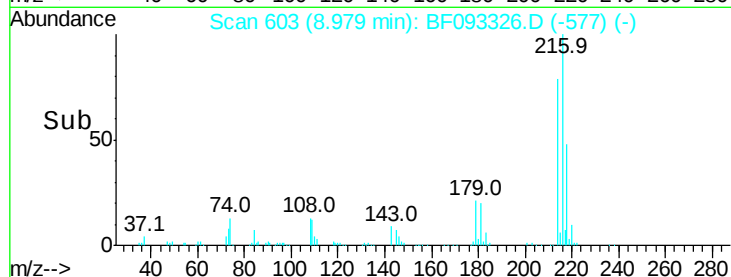
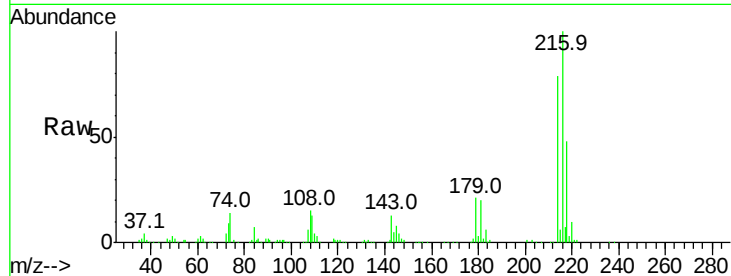
Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	356118		
214	78.9	63.4	95.0	
179	21.3	17.4	26.2	
108	21.0	15.6	23.4	

Manual Integrations
 APPROVED

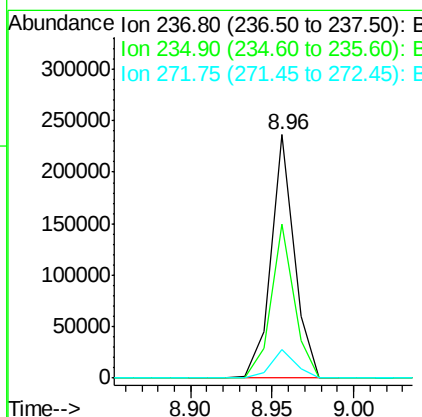
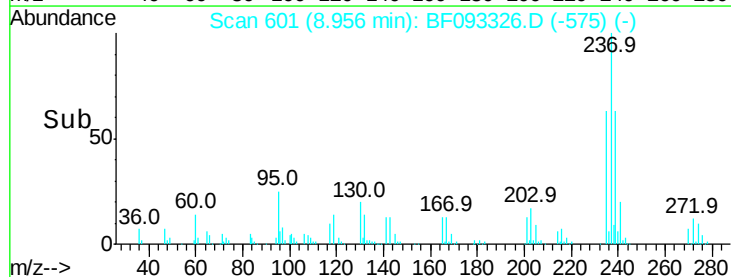
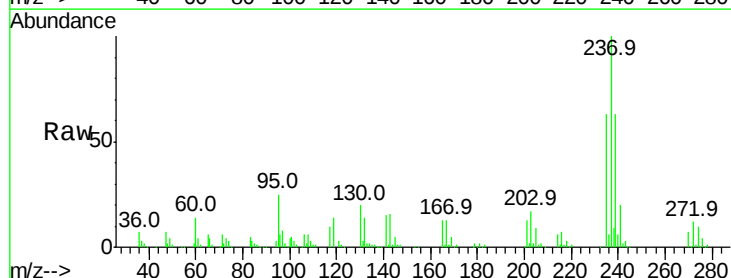
mohammad

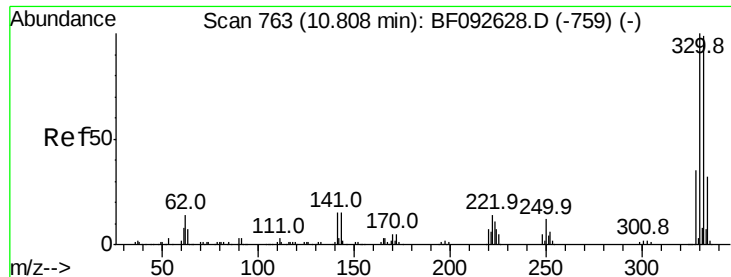
3/3/2017 5:16:39 PM



#40
 Hexachlorocyclopentadiene
 Concen: 66.54 ng
 RT: 8.96 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	236146		
235	63.3	41.2	81.2	
272	11.7	0.0	35.4	





#41
 2,4,6-Tribromophenol
 Concen: 144.30 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

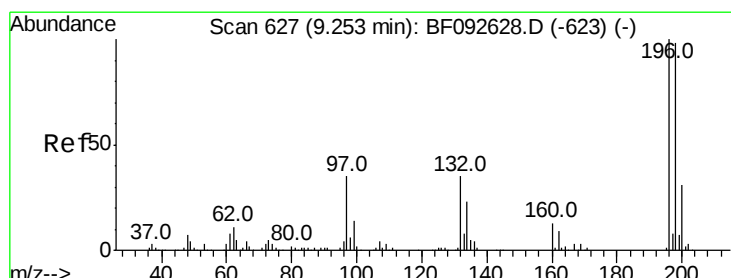
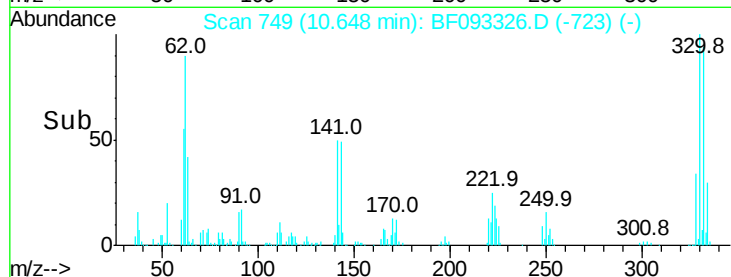
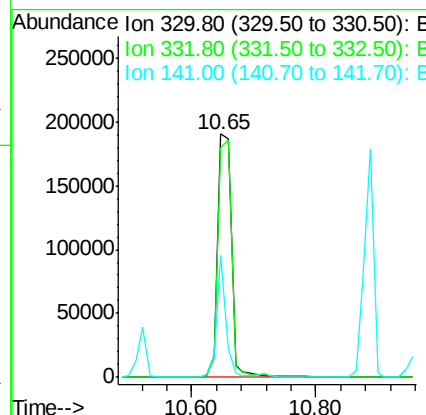
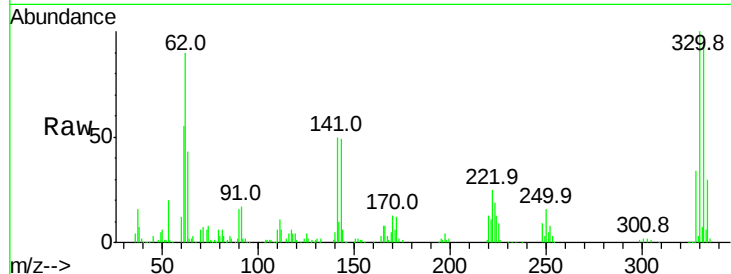
Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	292436		
332	96.8	77.4	116.2	
141	33.6	34.1	51.1#	

Manual Integrations
 APPROVED

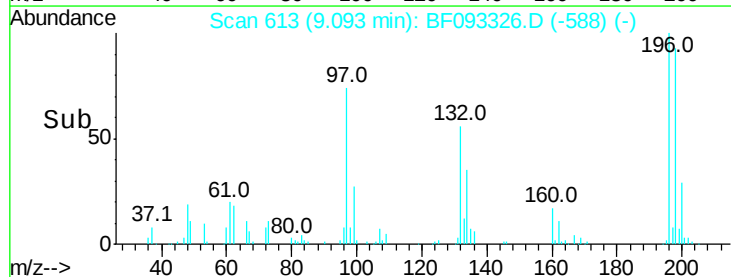
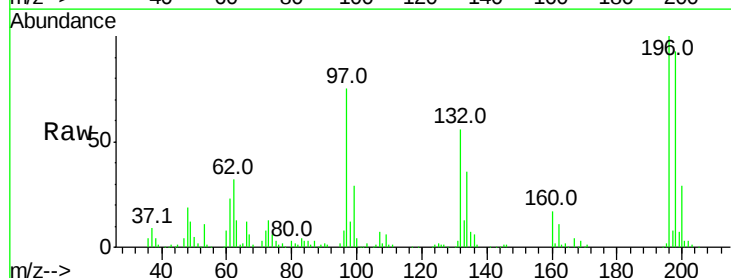
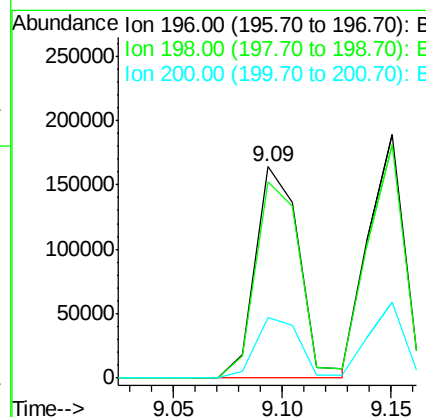
mohammad

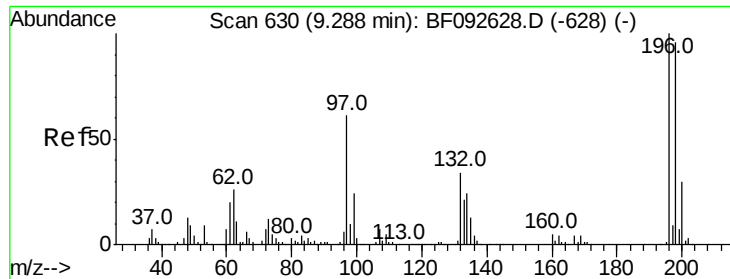
3/3/2017 5:16:39 PM



#42
 2,4,6-Trichlorophenol
 Concen: 44.31 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	229034		
198	92.7	82.1	123.1	
200	28.9	27.0	40.4	





#43
 2,4,5-Trichlorophenol
 Concen: 39.74 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

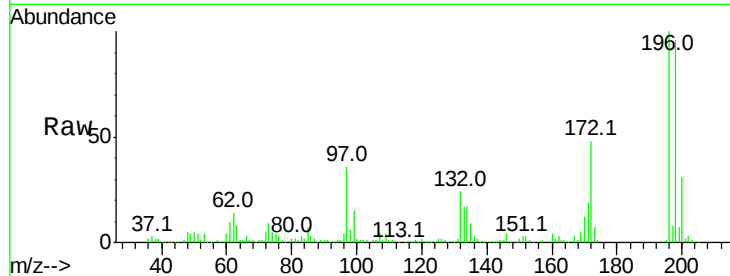
Instrument :
 BNA_F
 ClientSampleID :
 PB97286BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	225021		
198	96.0	79.4	119.2	
97	36.2	51.5	77.3#	
132	24.5	27.4	41.2#	

Manual Integrations
 APPROVED

mohammad

3/3/2017 5:16:39 PM



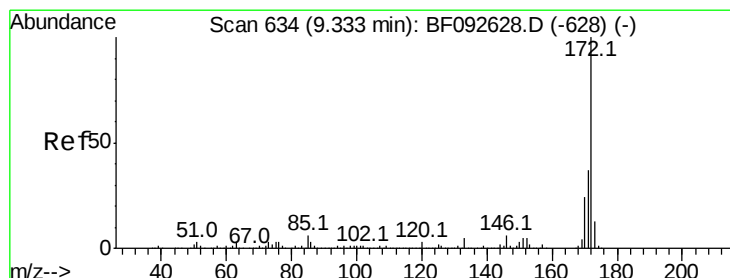
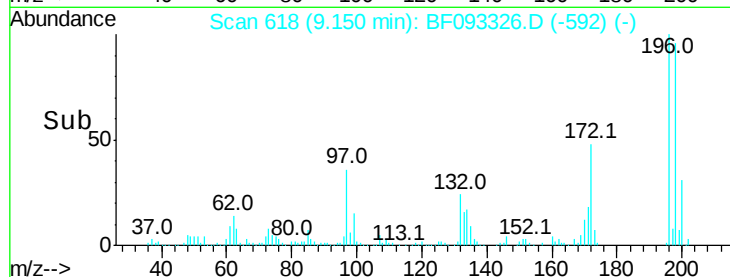
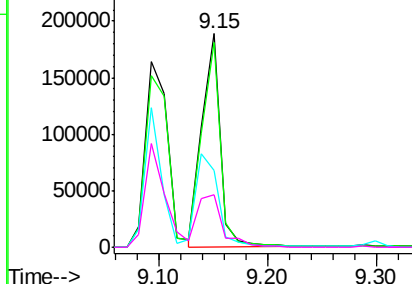
Abundance

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: 92.74 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

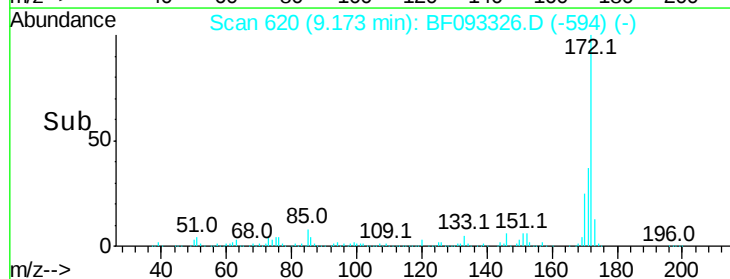
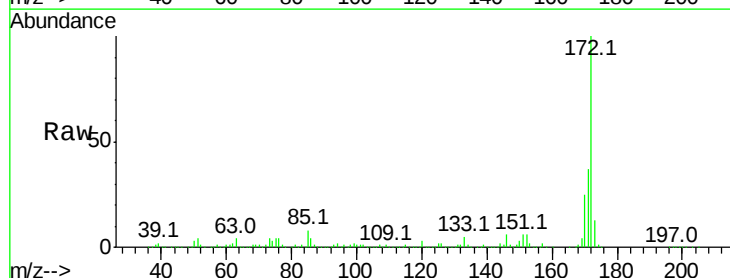
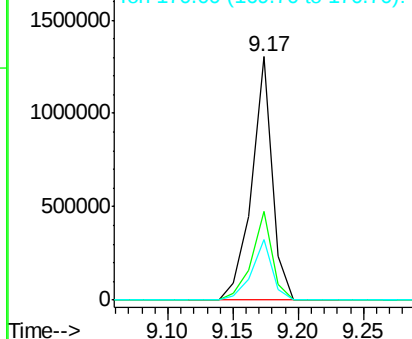
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1434441		
171	36.6	29.4	44.0	
170	24.8	20.2	30.4	

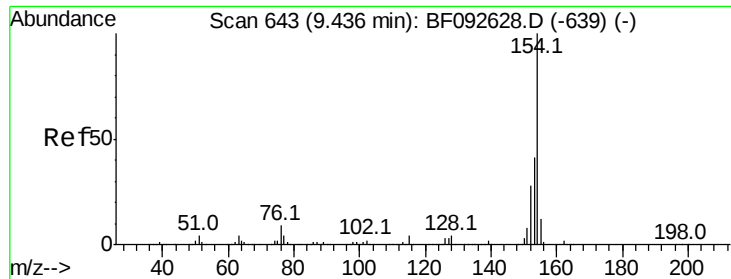
Abundance

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: 47.49 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

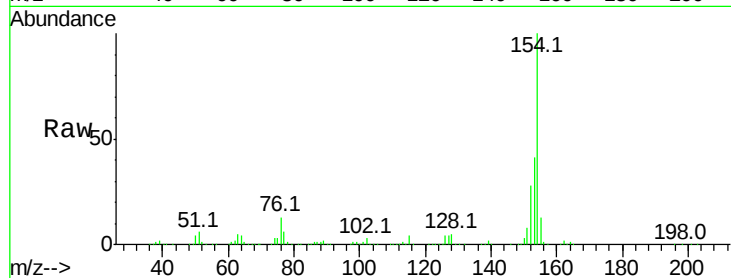
Instrument :
 BNA_F
 ClientSampled :
 PB97286BSD

Tot Ion:	154	Resp:	963590
Ion Ratio	Lower	Upper	
154	100		
153	41.2	20.9	60.9
76	13.2	0.0	30.5

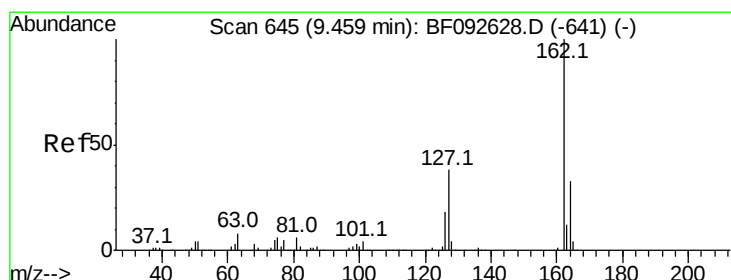
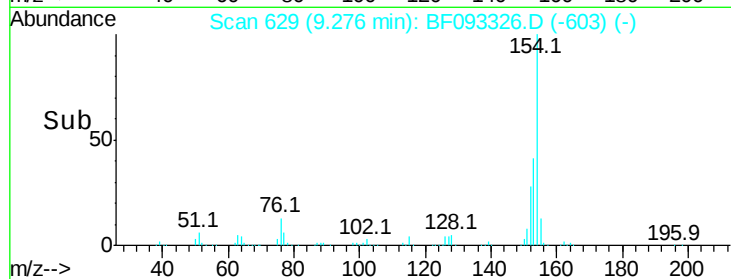
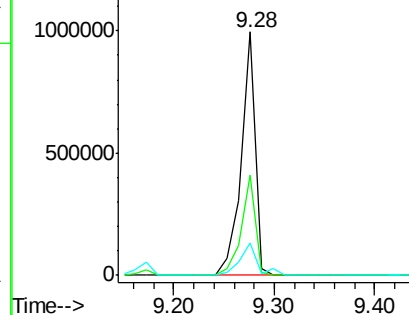
Manual Integrations
 APPROVED

mohammad

3/3/2017 5:16:39 PM



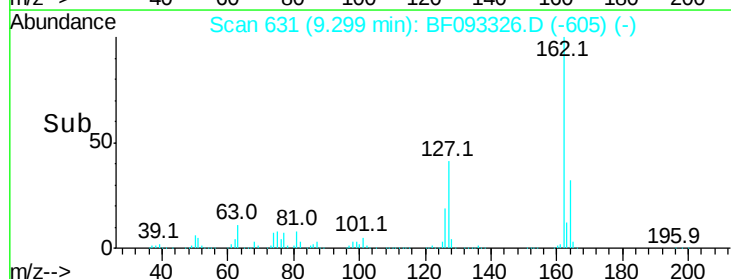
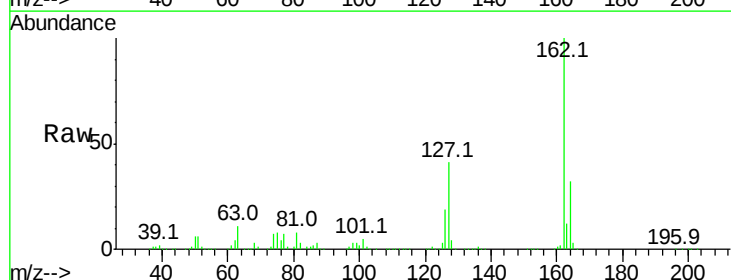
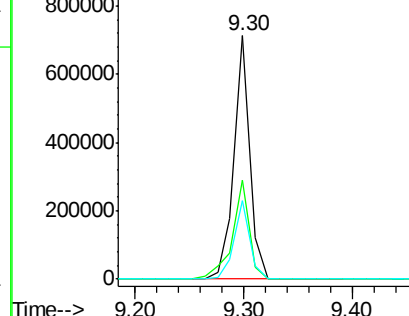
Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

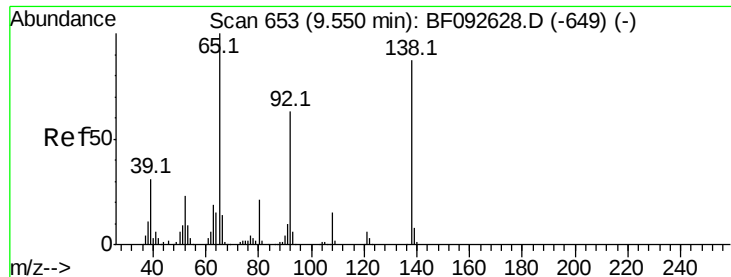


#46
 2-Chloronaphthalene
 Concen: 44.93 ng
 RT: 9.30 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion:	162	Resp:	713195
Ion Ratio	Lower	Upper	
162	100		
127	40.6	30.7	46.1
164	32.0	27.6	41.4

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





#47
2-Nitroaniline
Concen: 45.59 ng
RT: 9.40 min Scan# 640
Delta R.T. -0.01 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

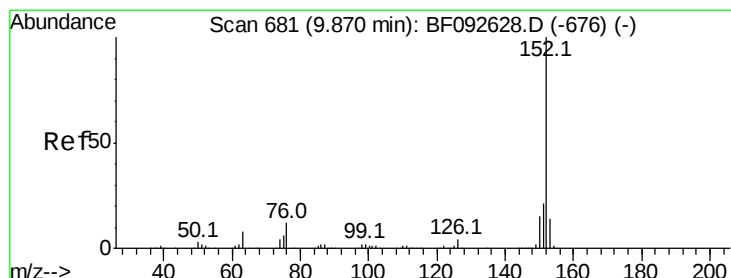
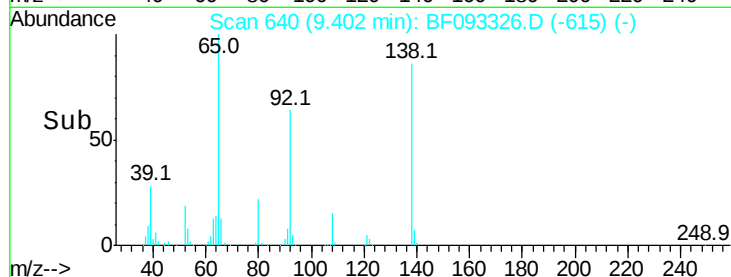
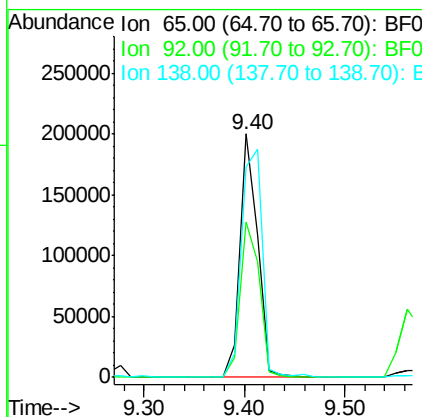
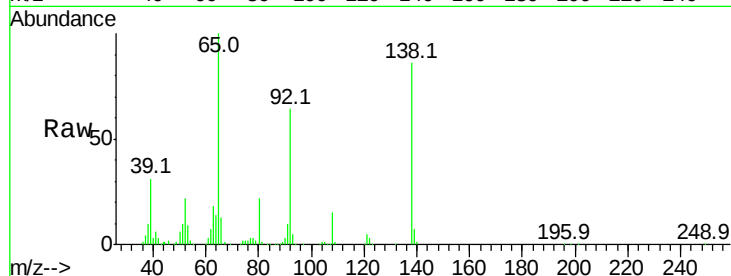
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	63.9	53.9	80.9
138	86.5	76.8	115.2

Manual Integrations
APPROVED

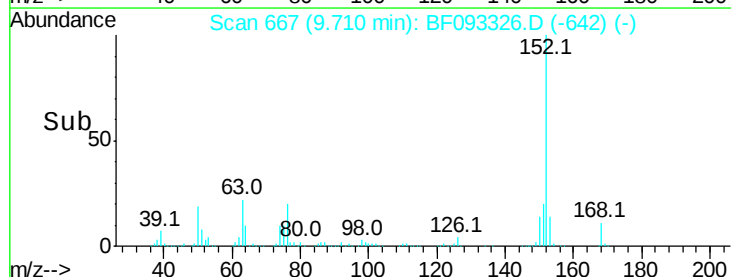
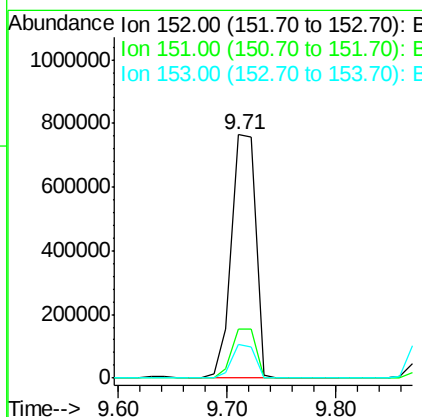
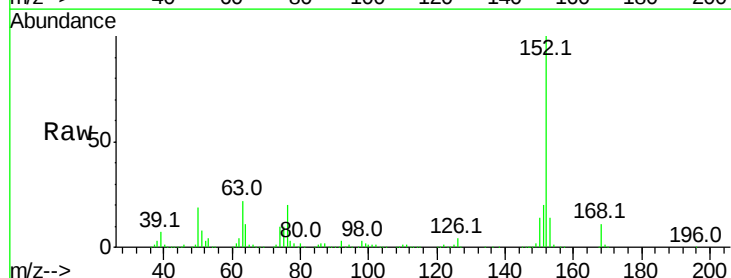
mohammad

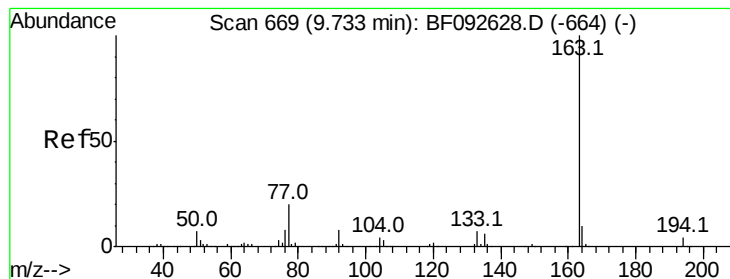
3/3/2017 5:16:39 PM



#48
Acenaphthylene
Concen: 42.58 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.01 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.9	25.3
153	13.8	11.4	17.2





#49

Dimethylphthalate

Concen: 48.30 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleID :

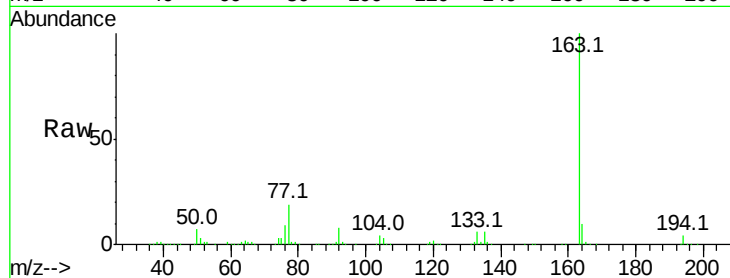
PB97286BSD

Tot Ion:	163	Resp:	911533
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.0	4.4
164	10.0	8.0	12.0

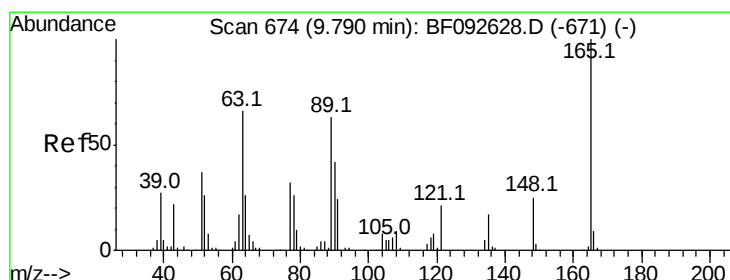
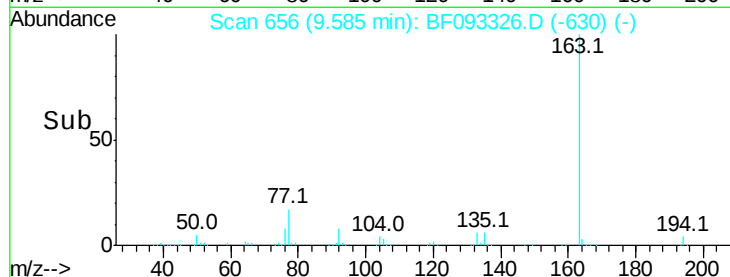
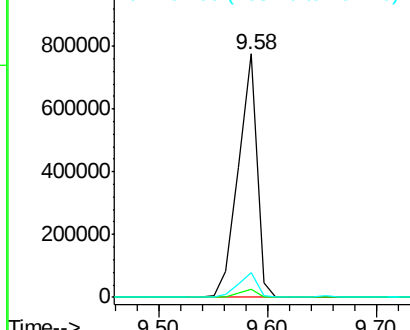
Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



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



#50

2,6-Dinitrotoluene

Concen: 52.60 ng

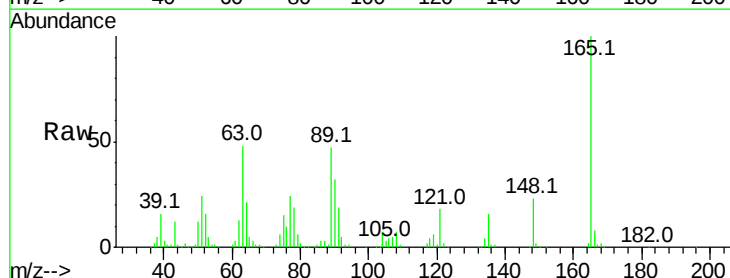
RT: 9.65 min Scan# 662

Delta R.T. -0.00 min

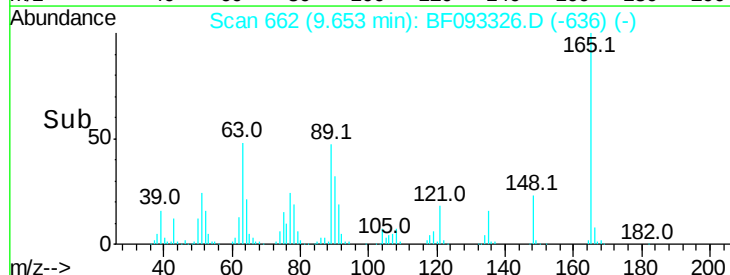
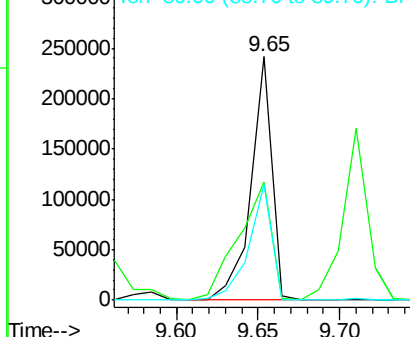
Lab File: BF093326.D

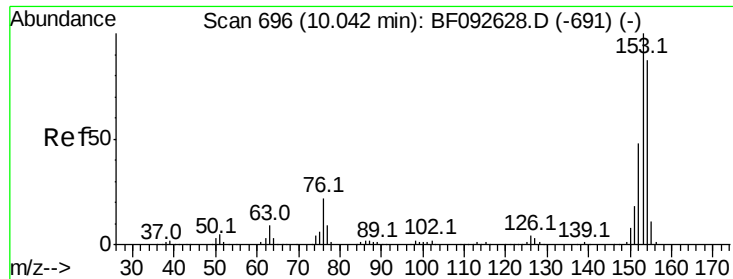
Acq: 2 Mar 2017 17:47

Tgt Ion:	165	Resp:	214389
Ion Ratio	Lower	Upper	
165	100		
63	48.4	36.2	54.4
89	47.3	40.2	60.4



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





#51

Acenaphthene

Concen: 40.02 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

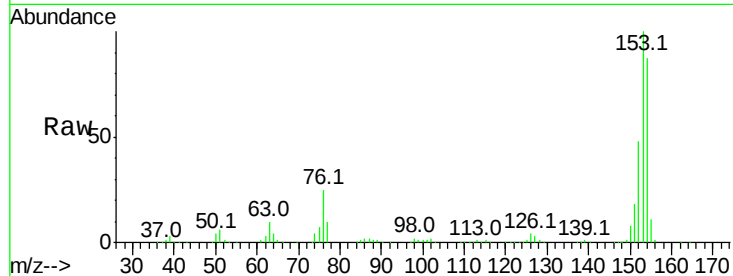
PB97286BSD

Tot Ion:	154	Resp:	656075
Ion Ratio	Lower	Upper	
154	100		
153	115.4	88.6	133.0
152	55.3	41.6	62.4

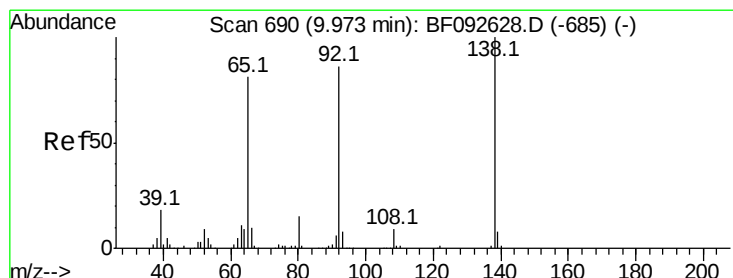
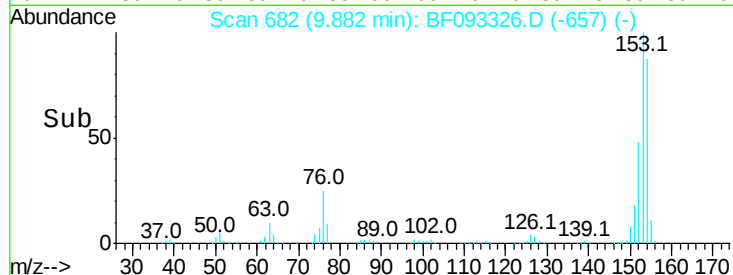
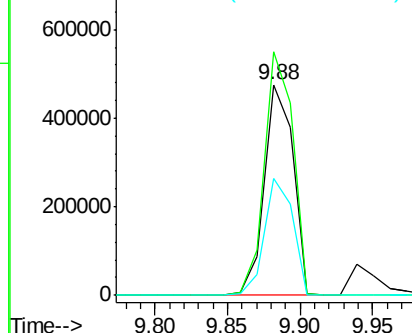
Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



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



#52

3-Nitroaniline

Concen: 26.73 ng

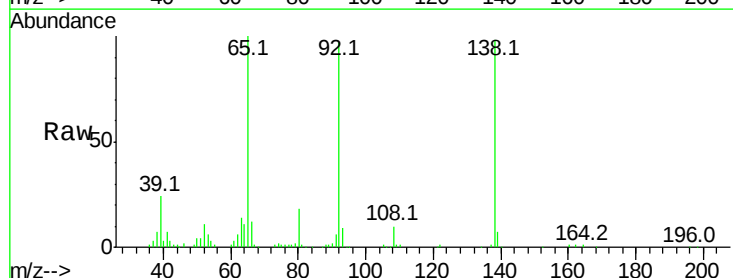
RT: 9.82 min Scan# 677

Delta R.T. -0.00 min

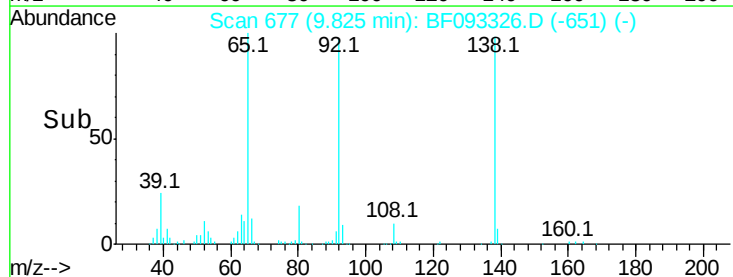
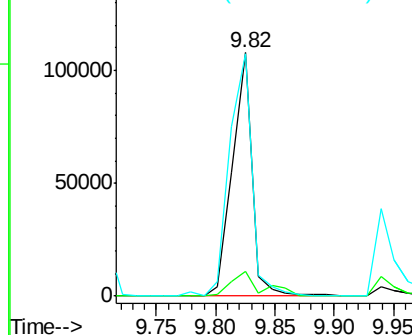
Lab File: BF093326.D

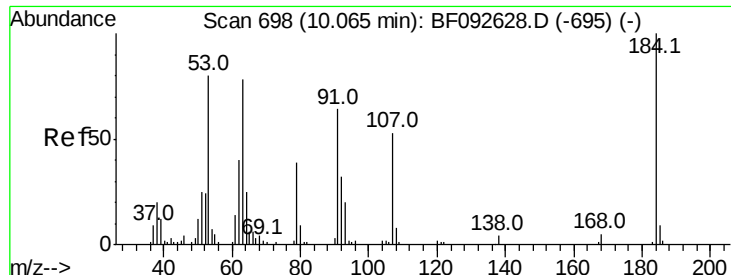
Acq: 2 Mar 2017 17:47

Tgt Ion:	138	Resp:	124668
Ion Ratio	Lower	Upper	
138	100		
108	9.9	8.5	12.7
92	99.5	97.8	146.8



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





#53
 2,4-Dinitrophenol
 Concen: 84.33 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

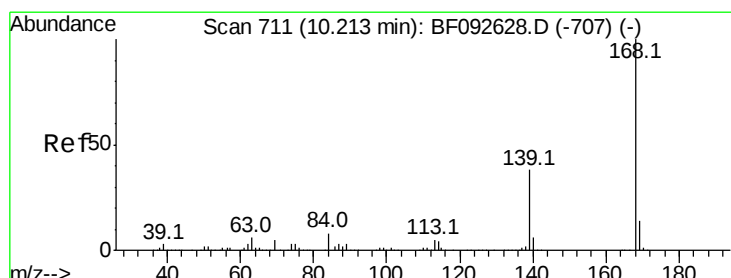
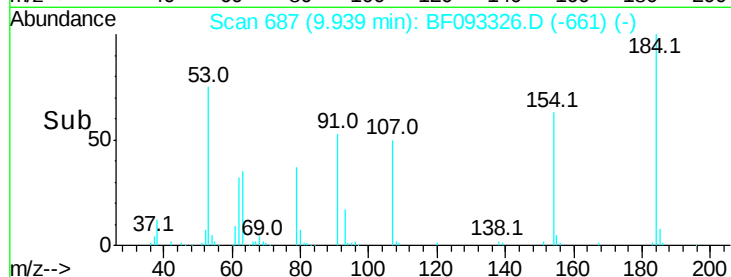
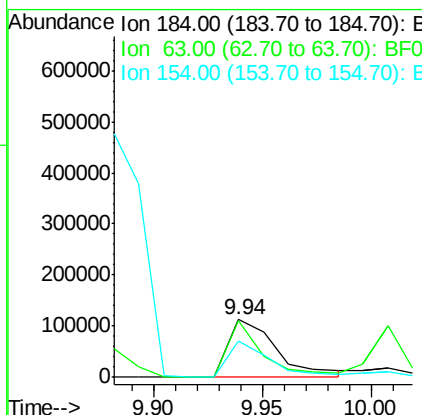
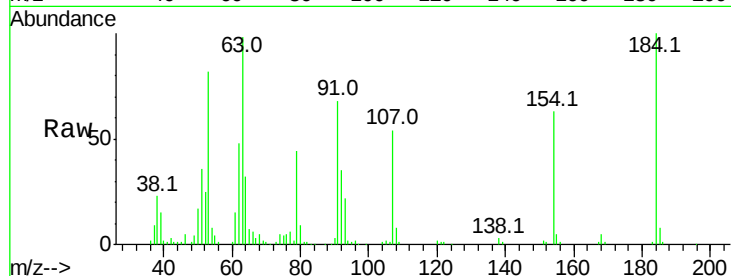
Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	98.3	28.4	42.6#
154	62.8	44.3	66.5

Manual Integrations
 APPROVED

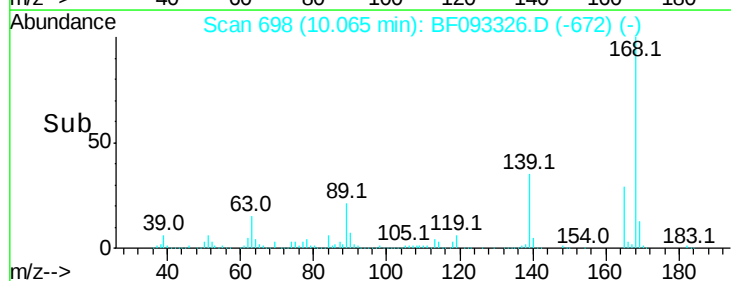
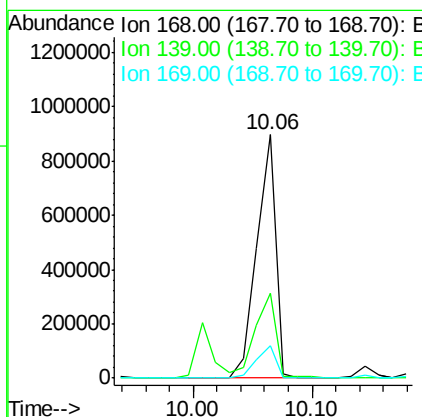
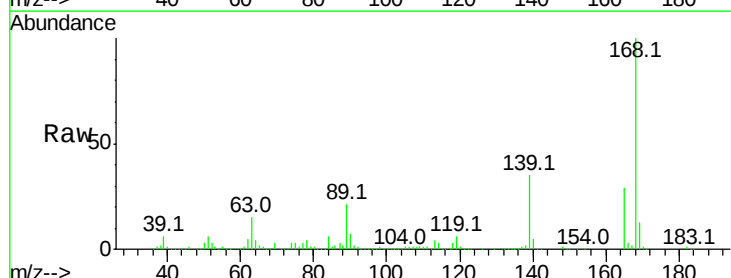
mohammad

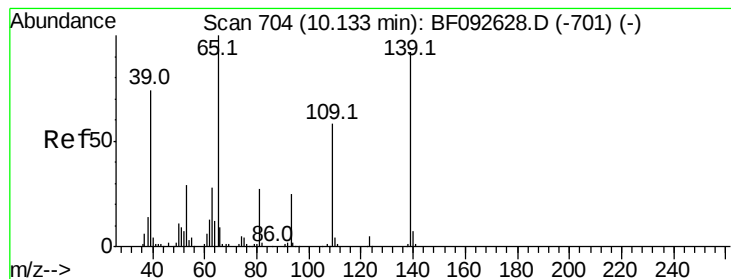
3/3/2017 5:16:39 PM



#54
 Dibenzofuran
 Concen: 45.81 ng
 RT: 10.06 min Scan# 698
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.0	32.6	49.0
169	13.1	11.3	16.9





#55

4-Nitrophenol

Concen: 60.32 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampled :

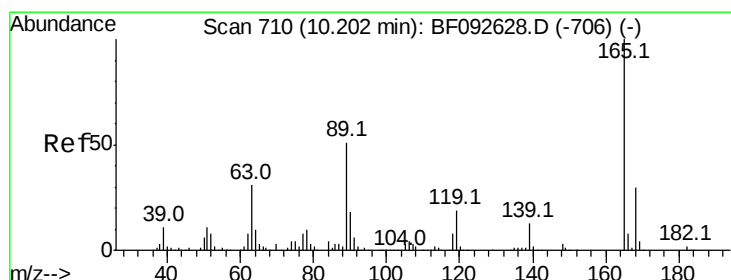
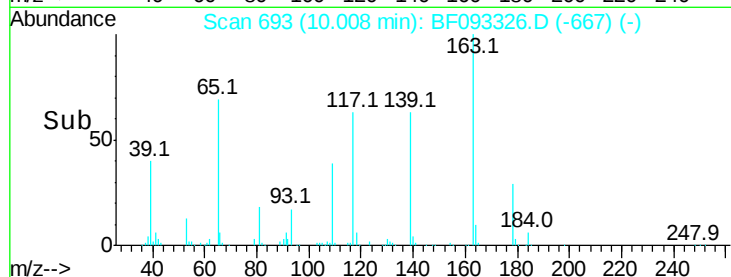
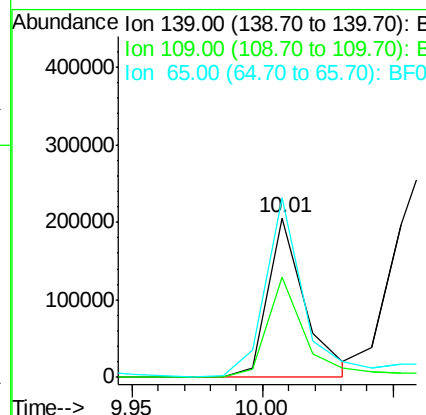
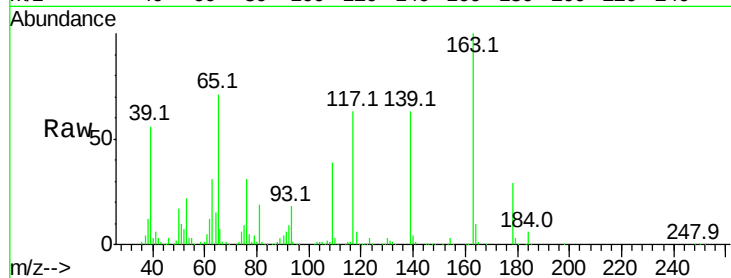
PB97286BSD

Tot Ion:	139	Resp:	202664
Ion Ratio	Lower	Upper	
139	100		
109	62.6	52.2	92.2
65	112.8	85.8	125.8

Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



#56

2,4-Dinitrotoluene

Concen: 46.92 ng

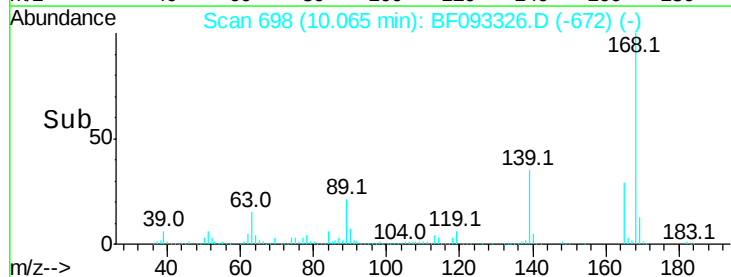
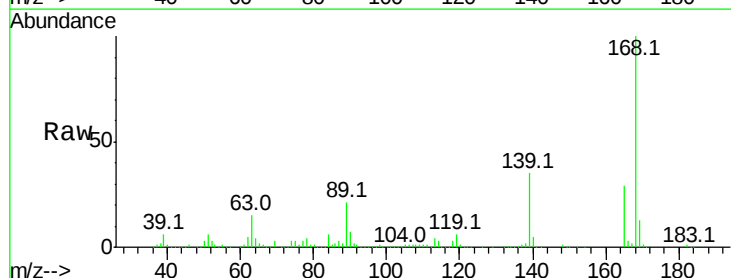
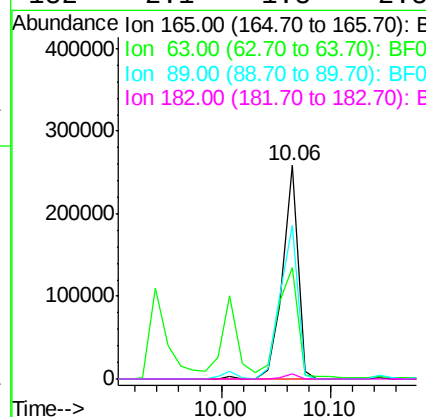
RT: 10.06 min Scan# 698

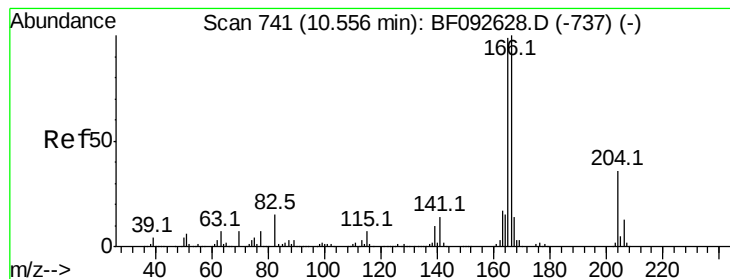
Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Tgt Ion:	165	Resp:	254627
Ion Ratio	Lower	Upper	
165	100		
63	52.1	40.2	60.4
89	71.7	62.5	93.7
182	2.1	1.8	2.8





#57

Fluorene

Concen: 48.60 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampled :

PB97286BSD

Tot Ion:166 Resp: 819771

Ion Ratio Lower Upper

166 100

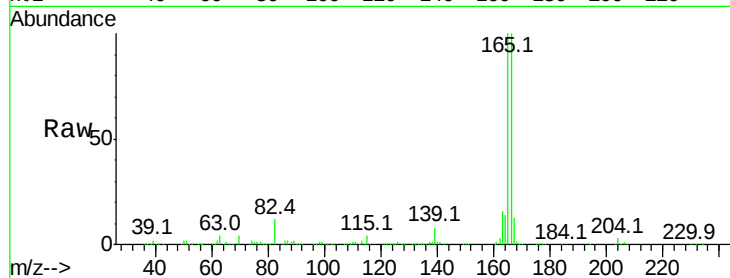
165 99.8 77.8 116.8

167 13.1 10.8 16.2

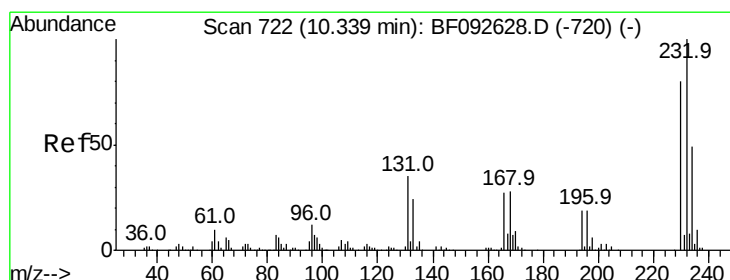
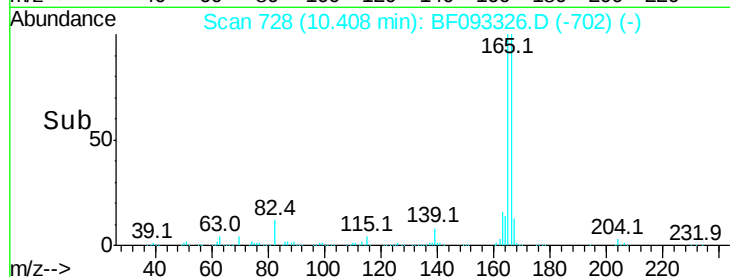
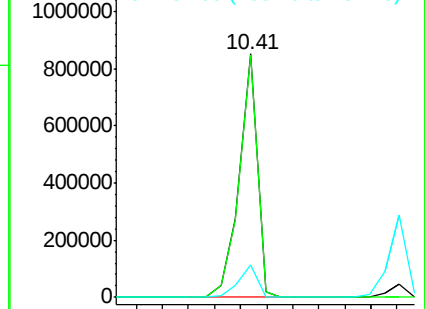
Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.11 ng

RT: 10.19 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Tgt Ion:232 Resp: 189279

Ion Ratio Lower Upper

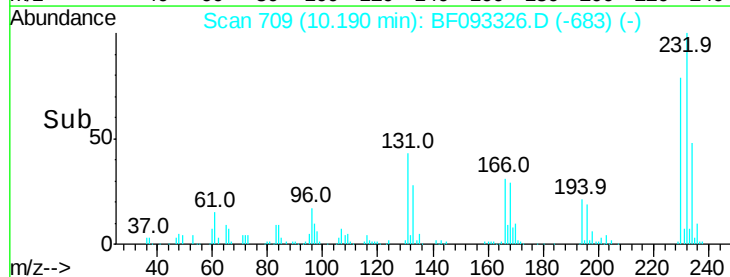
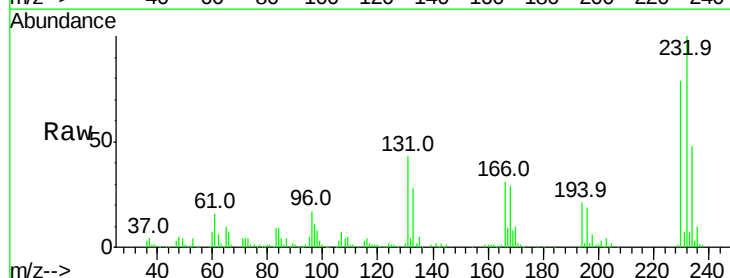
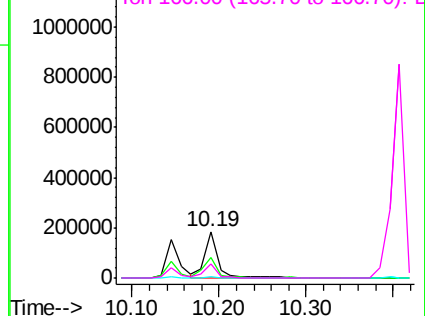
232 100

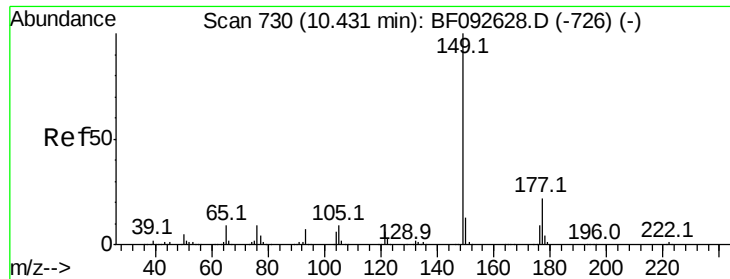
131 47.1 40.1 60.1

130 2.2 1.8 2.8

166 30.8 26.6 39.8

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





#59
Diethylphthalate
Concen: 45.61 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

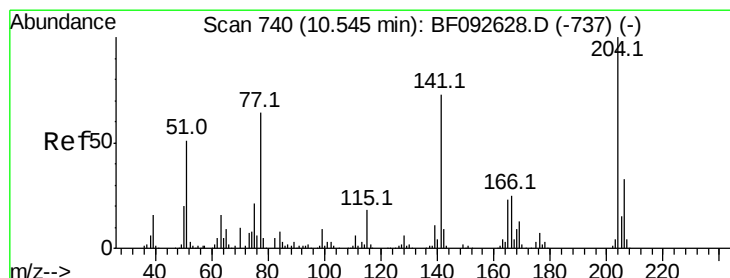
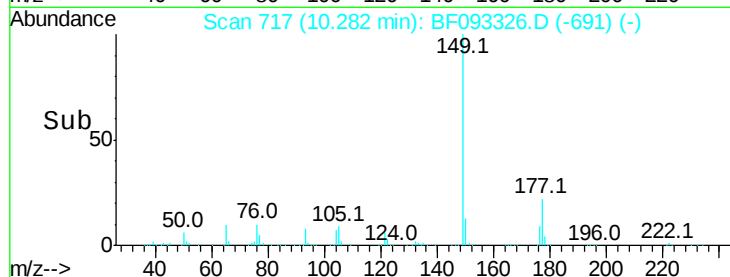
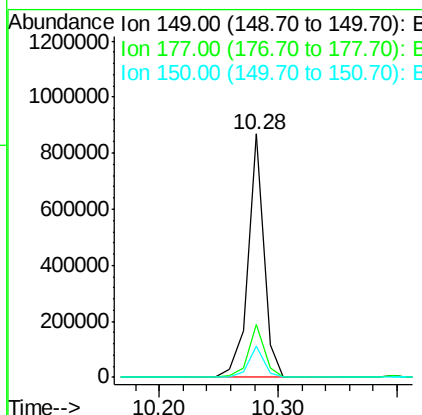
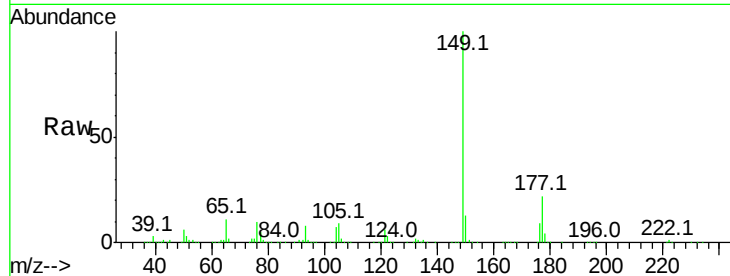
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	811294		
177	21.7	16.6	25.0	
150	13.0	10.4	15.6	

Manual Integrations
APPROVED

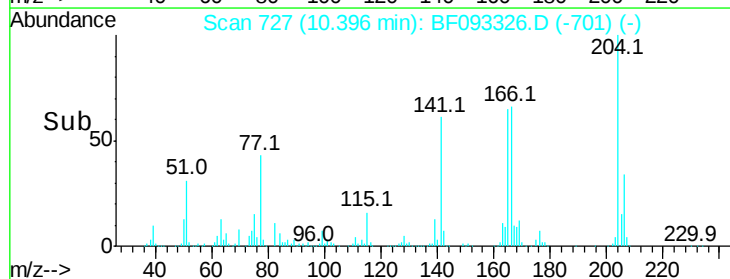
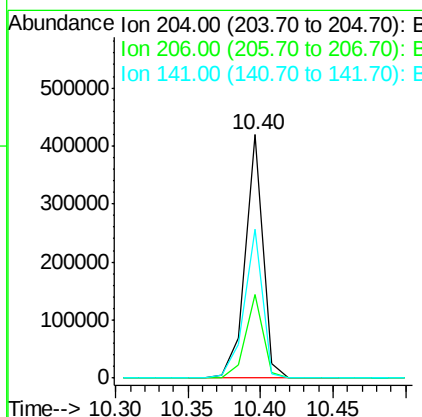
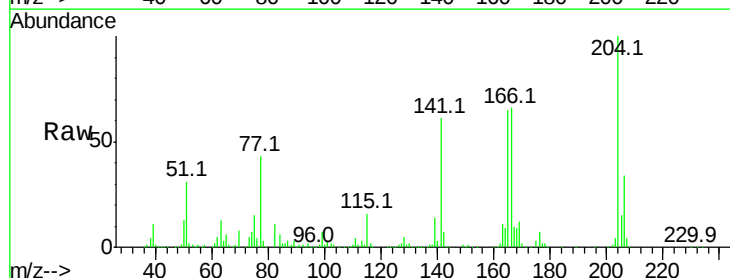
mohammad

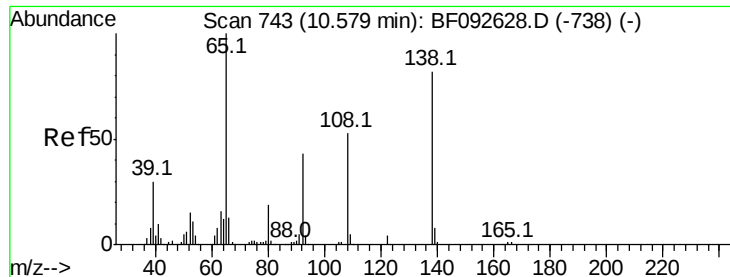
3/3/2017 5:16:39 PM



#60
4-Chlorophenyl-phenylether
Concen: 44.05 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	357011		
206	34.2	25.8	38.6	
141	61.1	59.4	89.0	





#61
4-Nitroaniline
Concen: 45.03 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

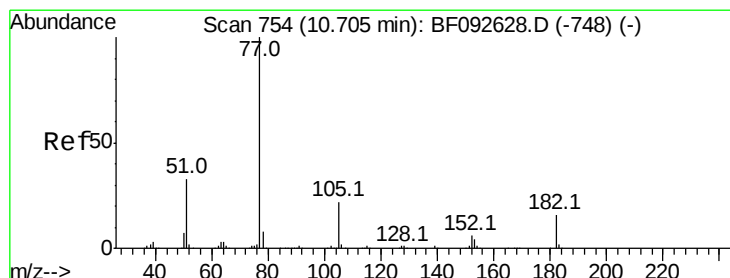
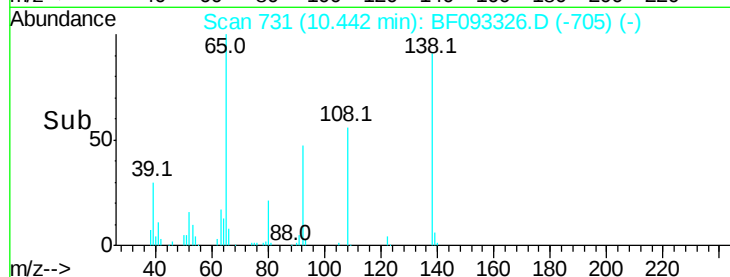
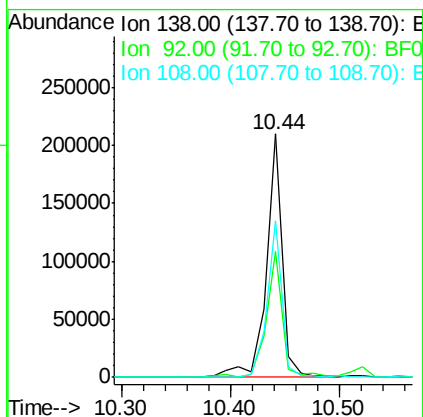
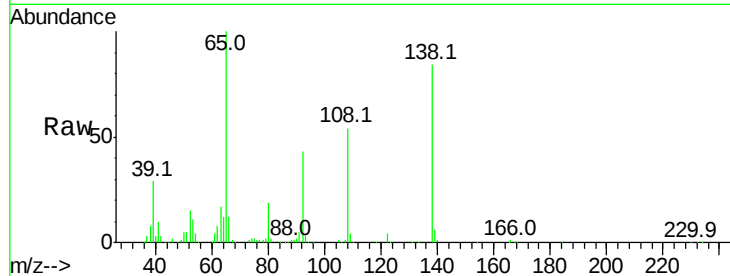
Instrument :
BNA_F
ClientSampled :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	51.9	31.7	71.7
108	64.2	52.6	92.6

Manual Integrations
APPROVED

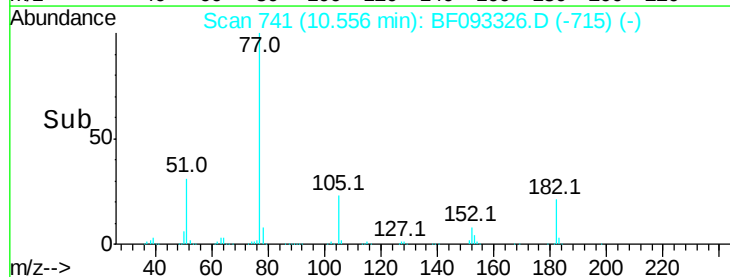
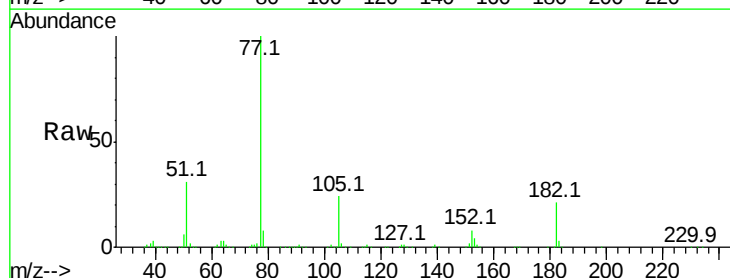
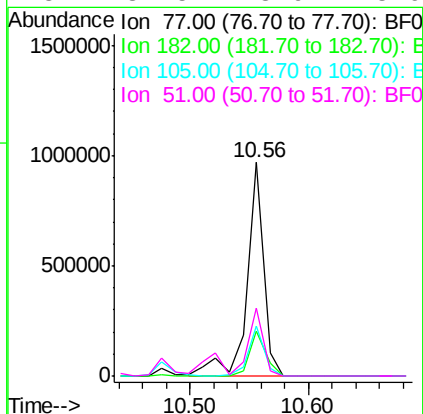
mohammad

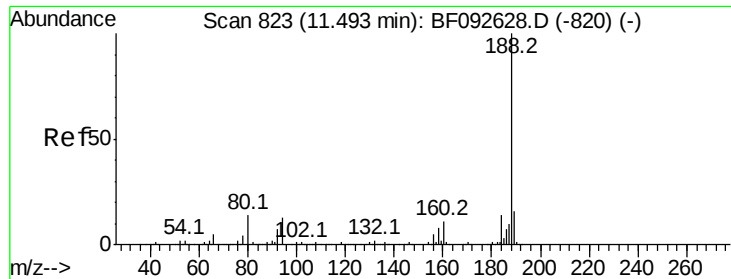
3/3/2017 5:16:39 PM



#62
Azobenzene
Concen: 52.21 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
77	100		
182	20.8	0.0	39.3
105	23.6	2.3	42.3
51	31.5	8.9	48.9





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

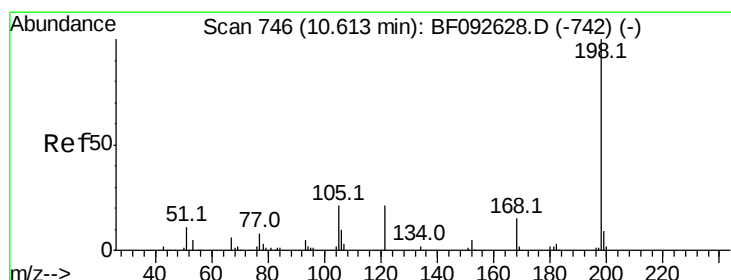
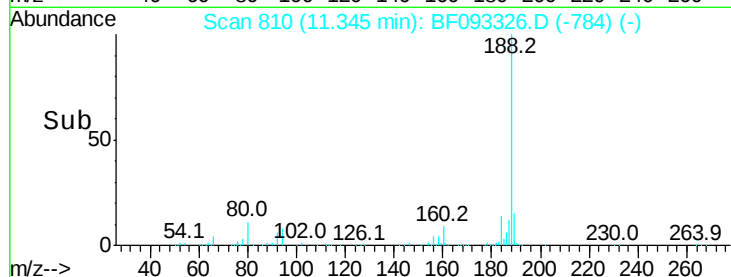
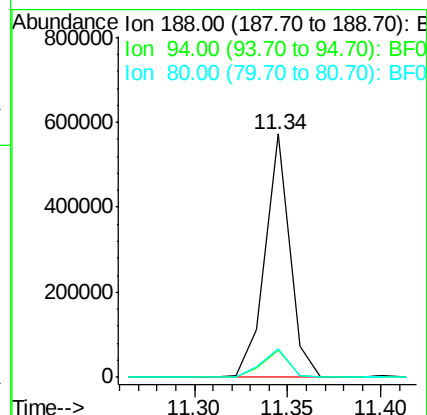
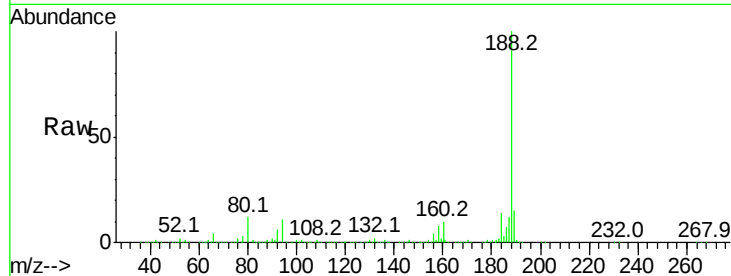
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	524202		
94	11.1	10.0	15.0	
80	11.7	11.2	16.8	

Manual Integrations
APPROVED

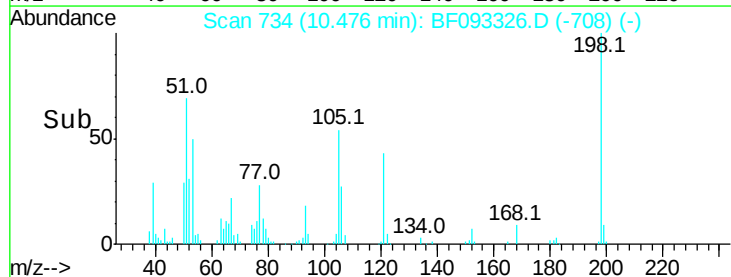
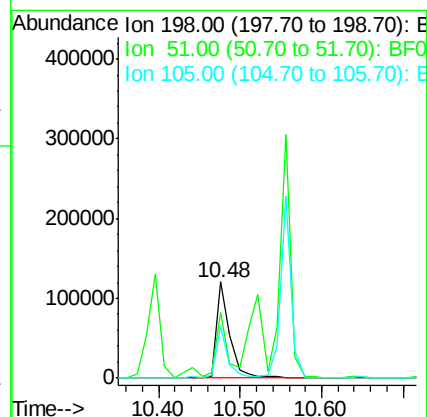
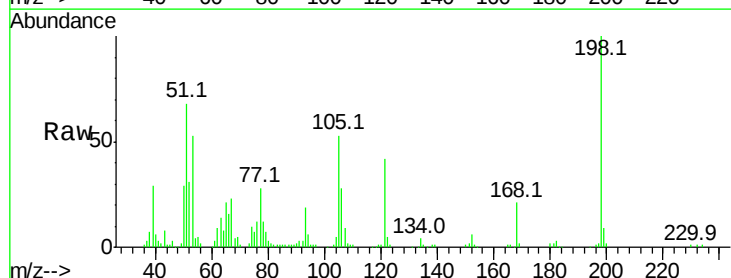
mohammad

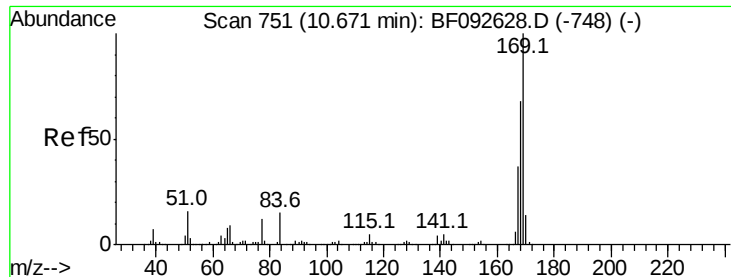
3/3/2017 5:16:39 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 44.36 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	140844		
51	68.0	6.7	46.7#	
105	53.2	16.6	56.6	





#65
n-Nitrosodiphenylamine
Concen: 43.82 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

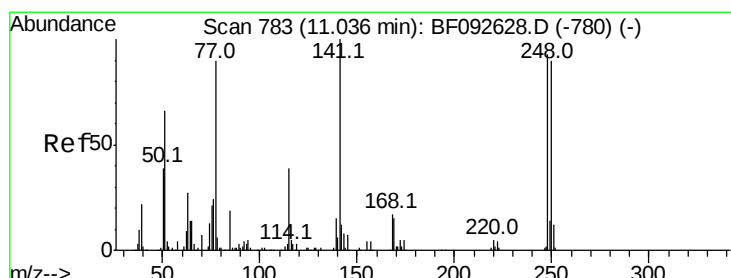
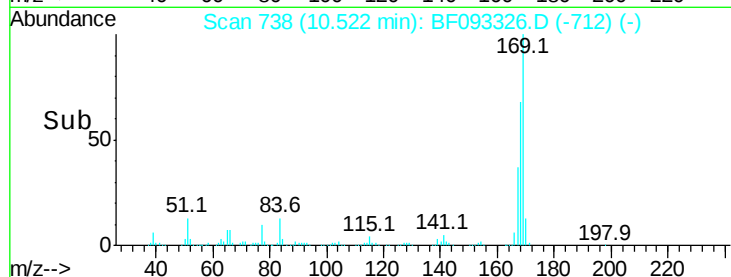
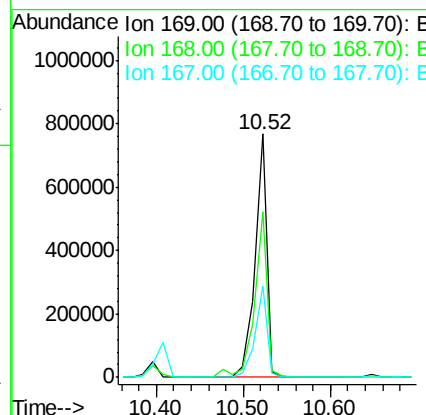
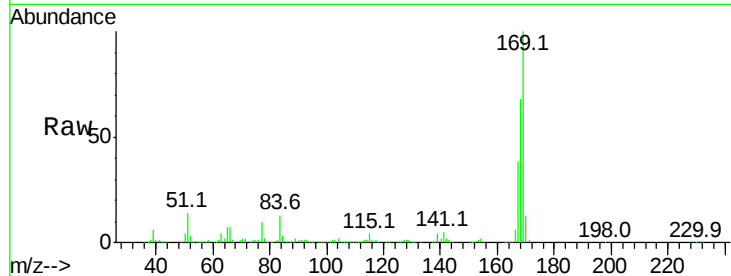
Instrument :
BNA_F
ClientSampleID :
PB97286BSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	733865		
168	68.0		54.2	81.2
167	37.5		30.2	45.4

Manual Integrations
APPROVED

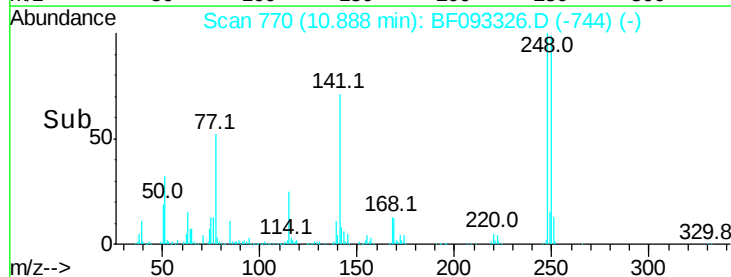
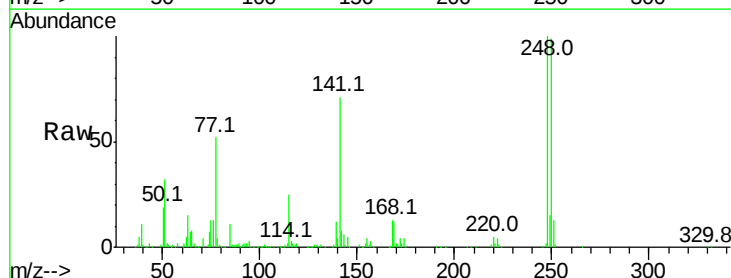
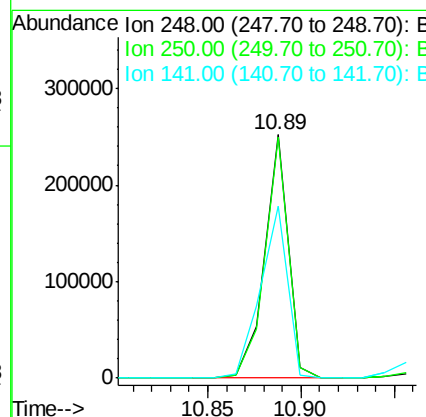
mohammad

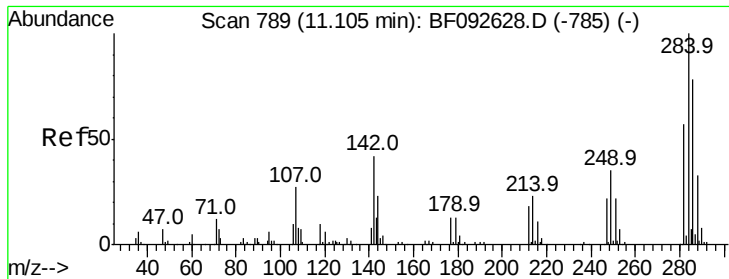
3/3/2017 5:16:39 PM



#66
4-Bromophenyl-phenylether
Concen: 40.19 ng
RT: 10.89 min Scan# 770
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	220109		
250	98.9		76.9	115.3
141	70.8		68.2	102.4





#67

Hexachlorobenzene

Concen: 39.52 ng

RT: 10.96 min Scan# 776

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

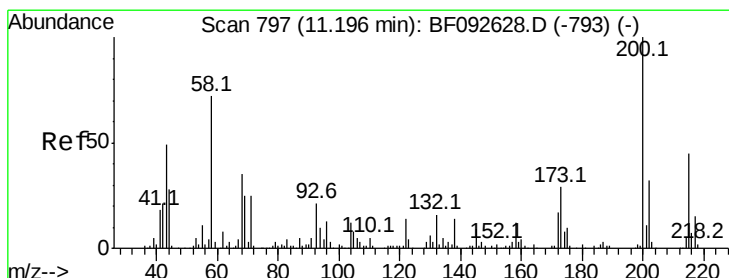
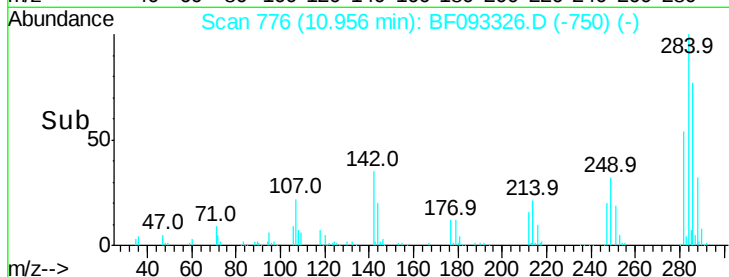
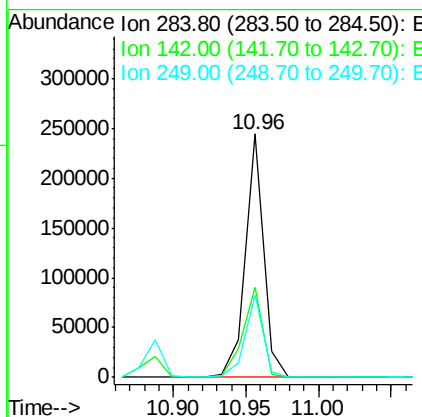
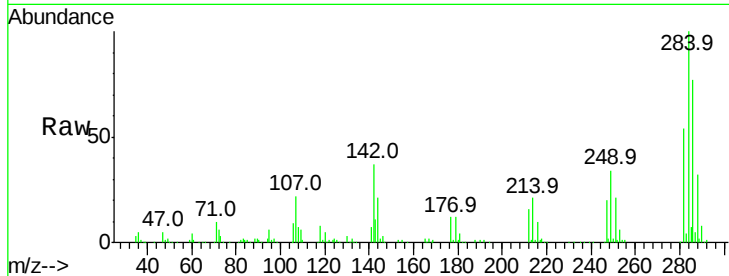
PB97286BSD

Tot Ion:	284	Resp:	213859
Ion Ratio	Lower	Upper	
284	100		
142	36.7	22.6	33.8#
249	33.8	25.4	38.0

Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



#68

Atrazine

Concen: 42.84 ng

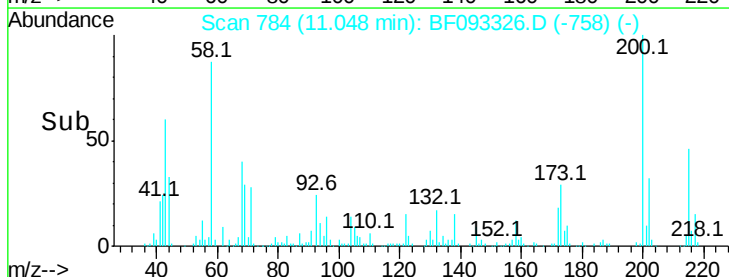
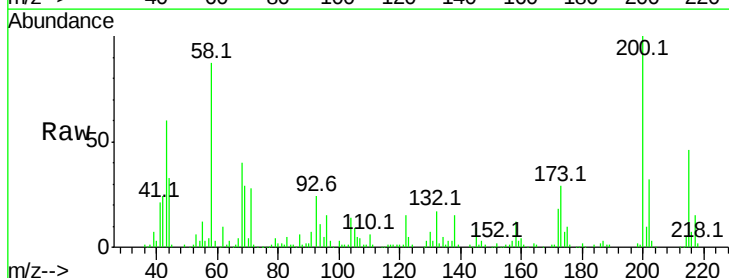
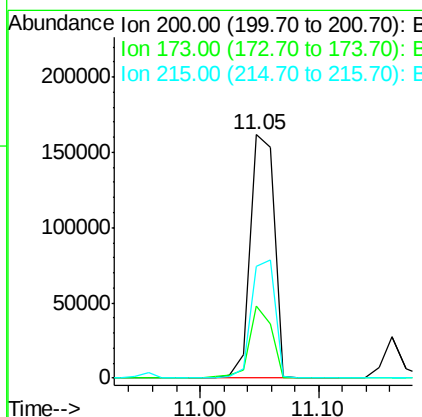
RT: 11.05 min Scan# 784

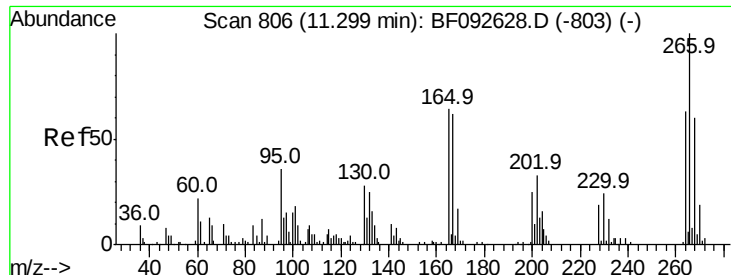
Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Tgt Ion:	200	Resp:	230219
Ion Ratio	Lower	Upper	
200	100		
173	29.4	9.6	49.6
215	45.8	25.7	65.7





#69
 Pentachlorophenol
 Concen: 65.01 ng
 RT: 11.16 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

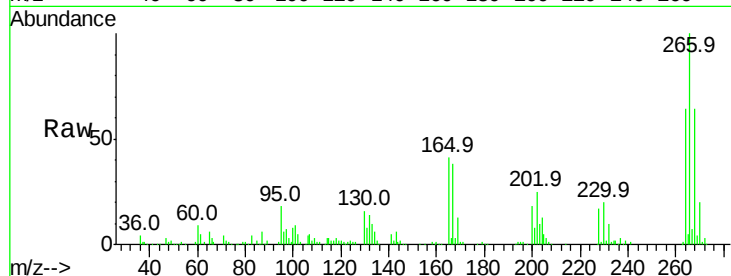
Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	177496		
268	64.1	53.3	79.9	
264	64.3	50.3	75.5	

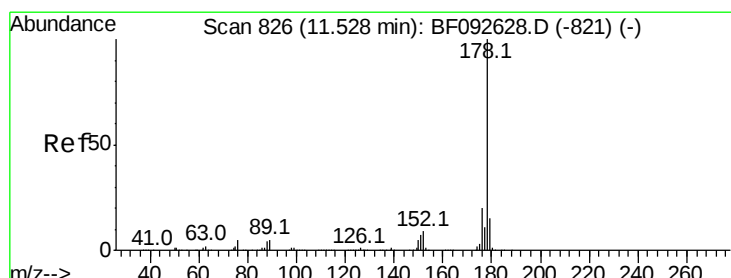
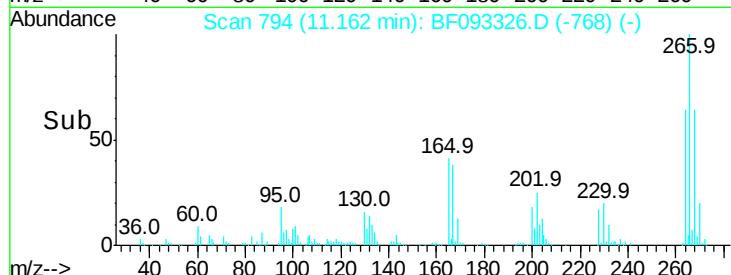
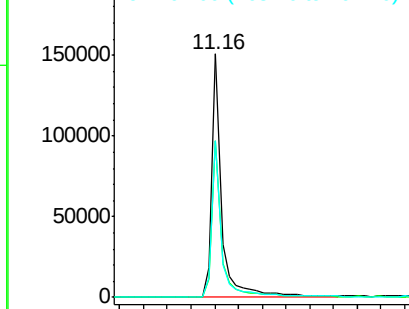
Manual Integrations
 APPROVED

mohammad

3/3/2017 5:16:39 PM

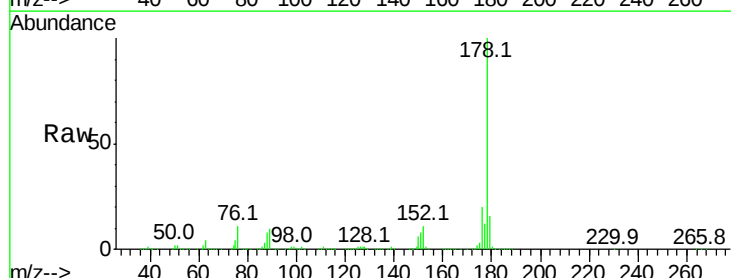


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

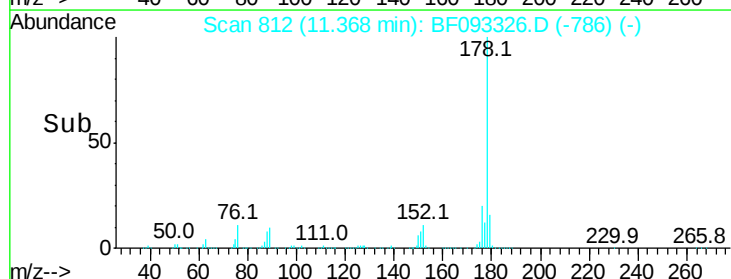
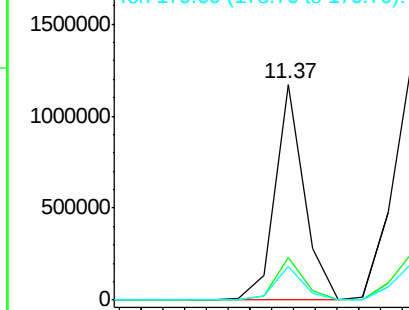


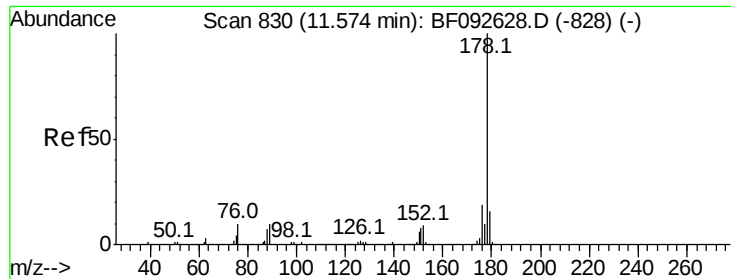
#70
 Phenanthrene
 Concen: 36.50 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1096201		
176	19.6	16.6	25.0	
179	15.7	12.8	19.2	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71
 Anthracene
 Concen: 42.54 ng
 RT: 11.42 min Scan# 817
 Delta R.T. 0.01 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

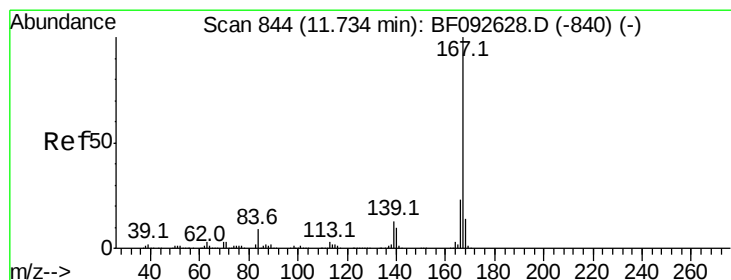
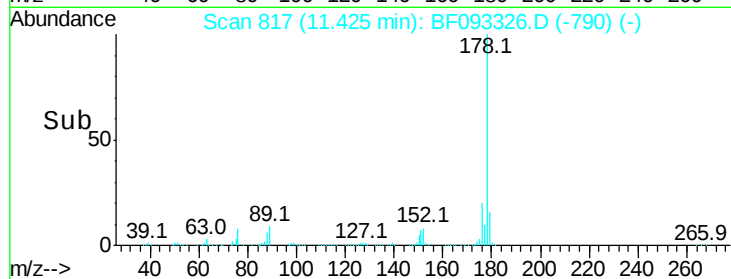
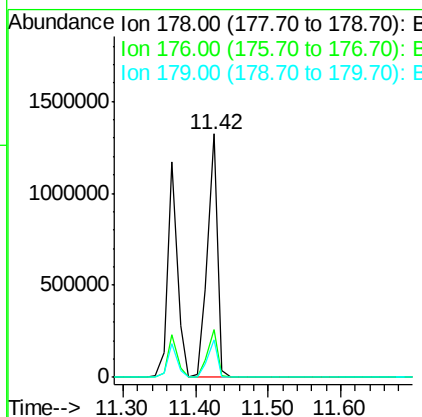
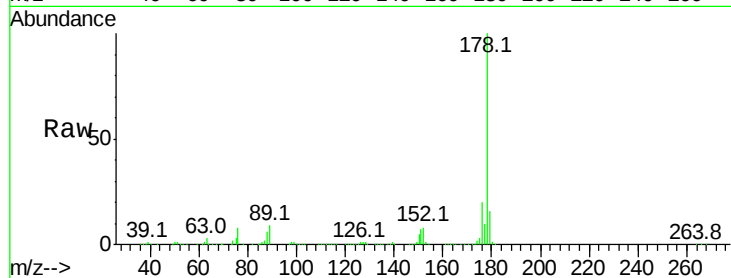
Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Tot Ion:178 Resp: 1282989
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.9 23.9
 179 15.6 13.2 19.8

Manual Integrations
 APPROVED

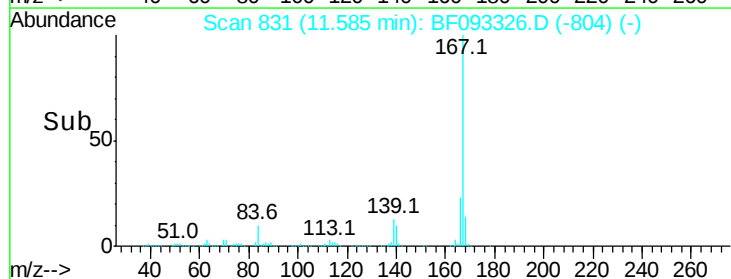
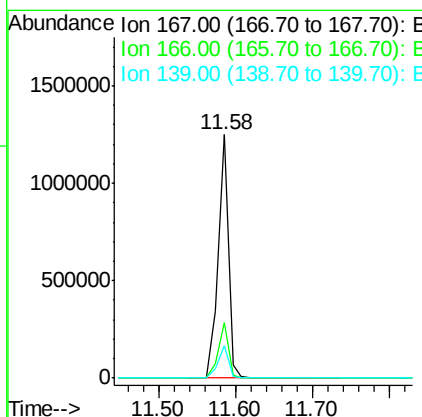
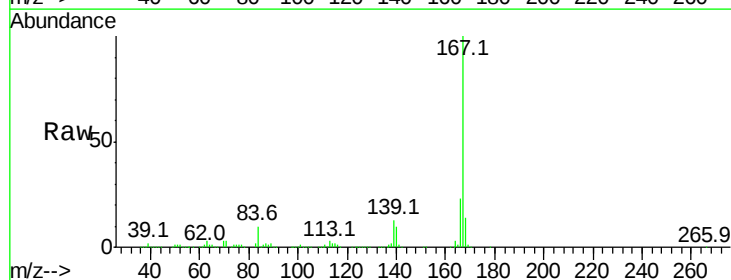
mohammad

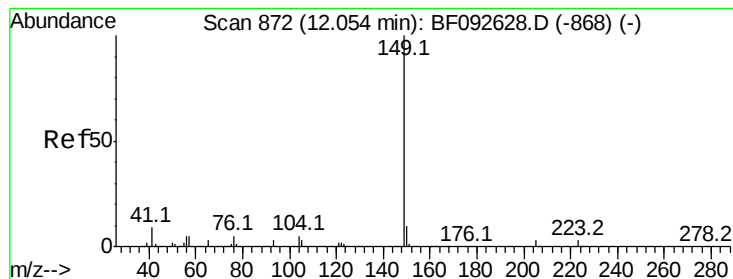
3/3/2017 5:16:39 PM



#72
 Carbazole
 Concen: 40.26 ng
 RT: 11.58 min Scan# 831
 Delta R.T. 0.01 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion:167 Resp: 1160558
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.2 27.2
 139 13.1 11.4 17.2





#73
Di-n-butylphthalate
Concen: 41.51 ng
RT: 11.90 min Scan# 859
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

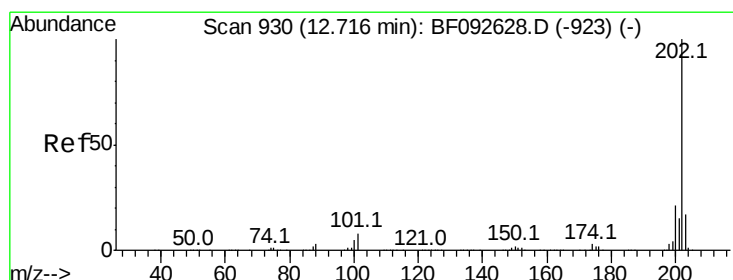
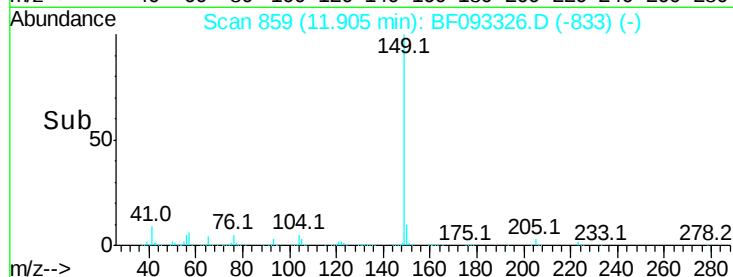
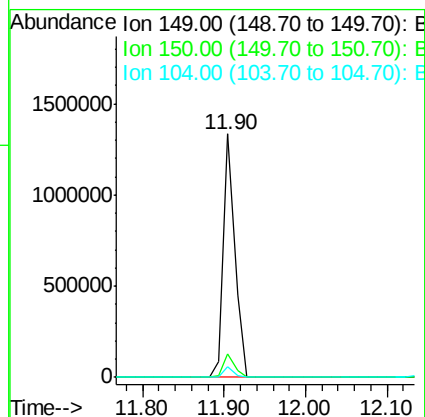
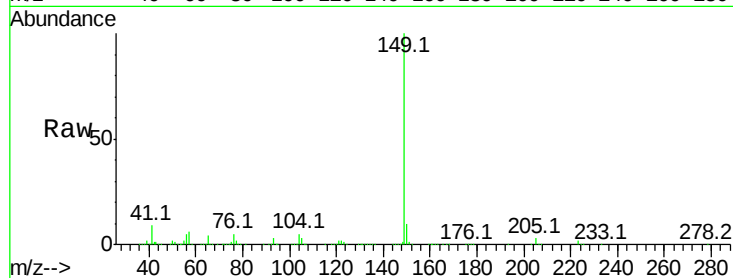
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.8	8.1	12.1
104	4.6	4.6	7.0

Manual Integrations
APPROVED

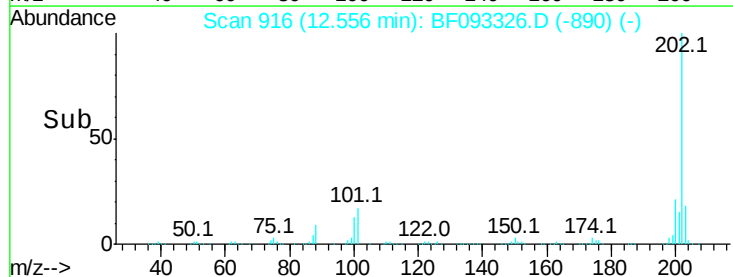
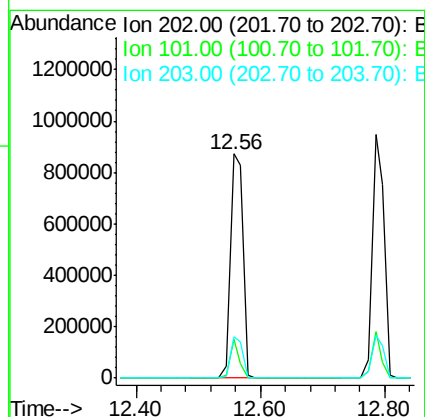
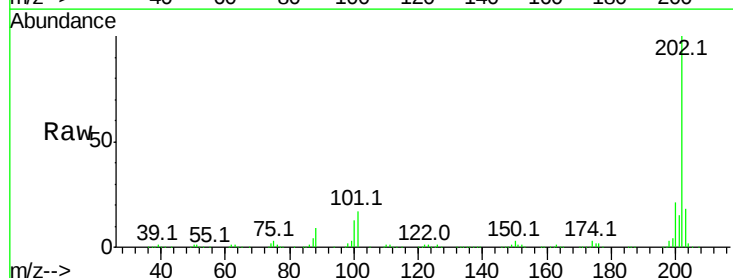
mohammad

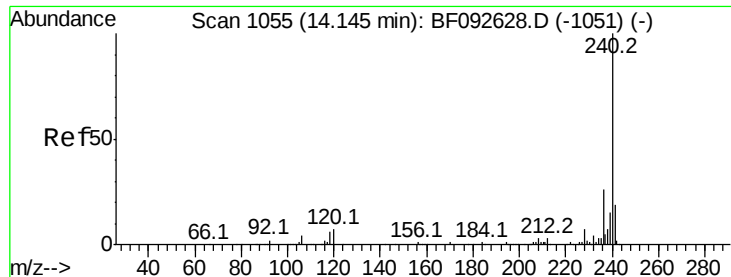
3/3/2017 5:16:39 PM



#74
Fluoranthene
Concen: 39.28 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.2	0.0	34.6
203	18.2	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

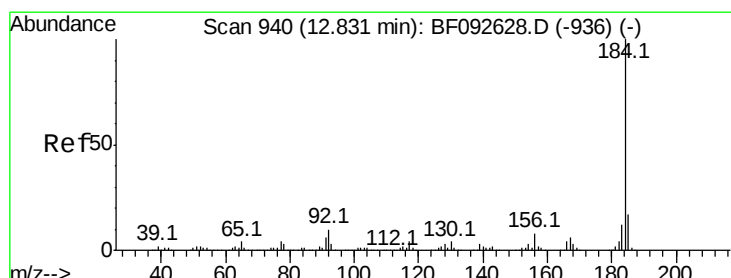
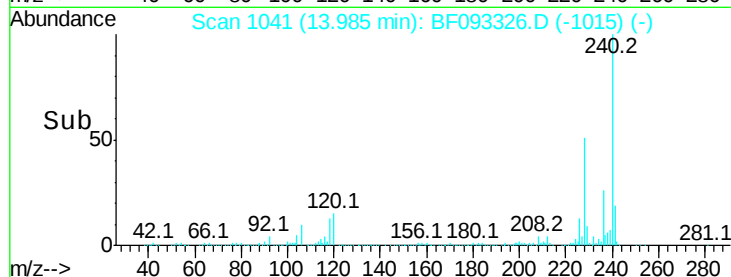
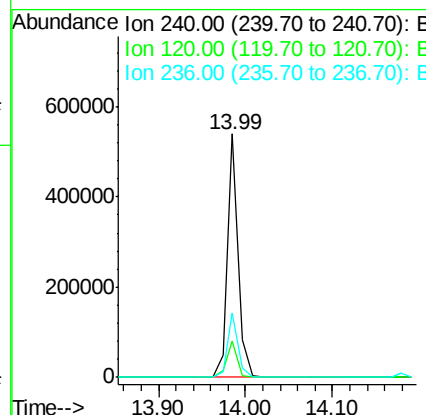
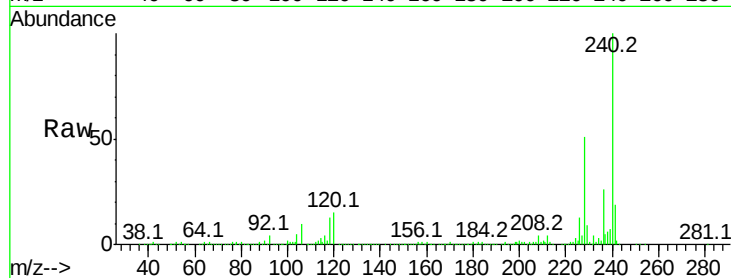
PB97286BSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.7	12.9	19.3
236	26.2	20.9	31.3

Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 PM



#76

Benzidine

Concen: 21.96 ng

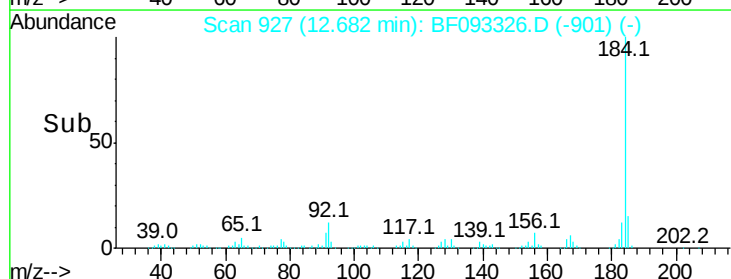
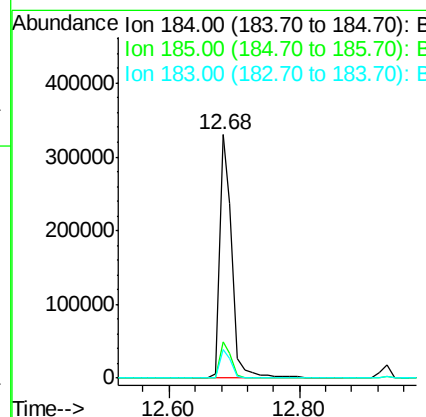
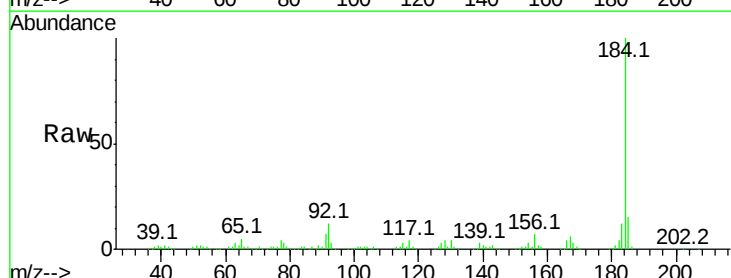
RT: 12.68 min Scan# 927

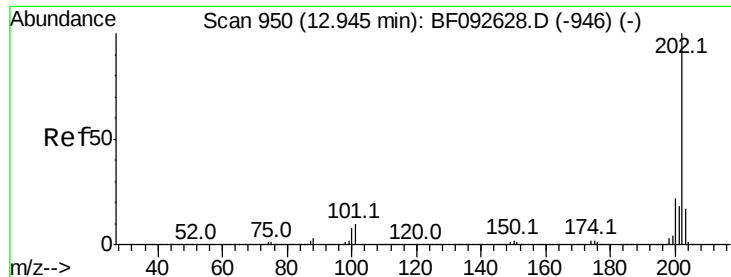
Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.8	13.4	20.0
183	11.6	9.2	13.8





#77
Pvrene
Concen: 35.15 ng
RT: 12.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

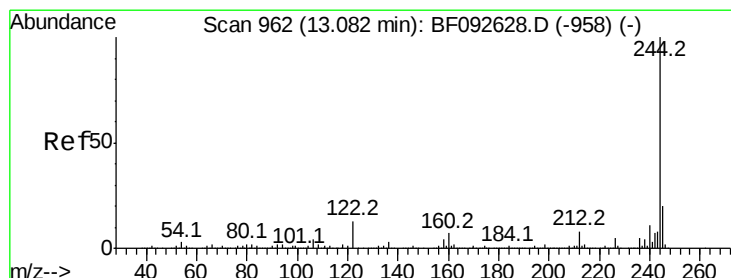
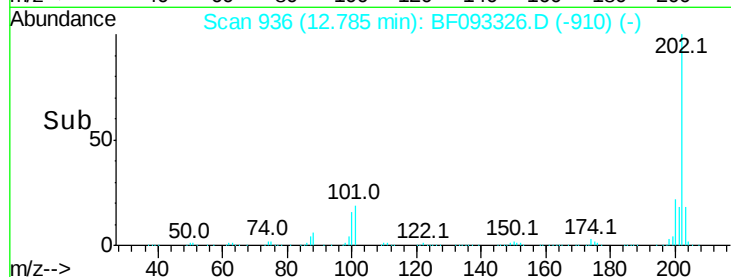
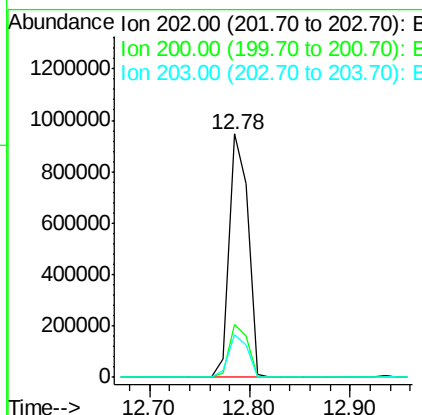
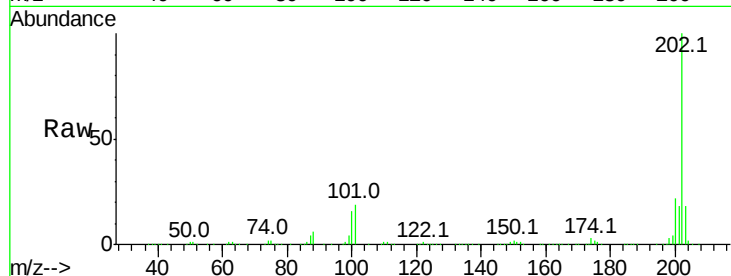
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	17.7	14.7	22.1

Manual Integrations
APPROVED

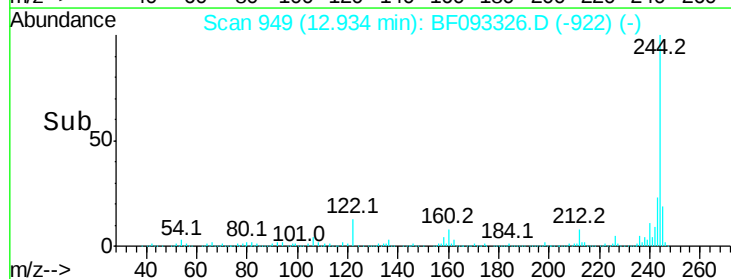
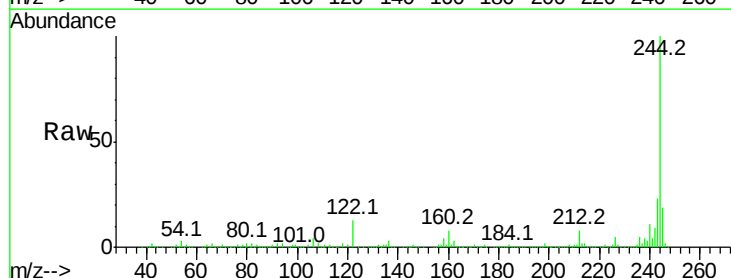
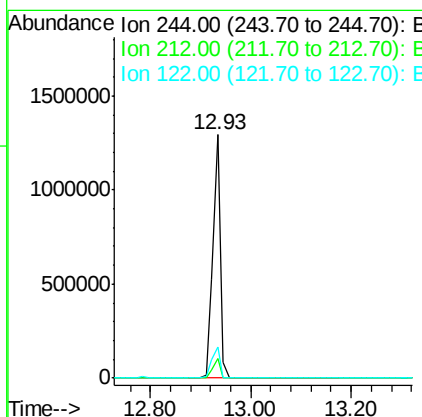
mohammad

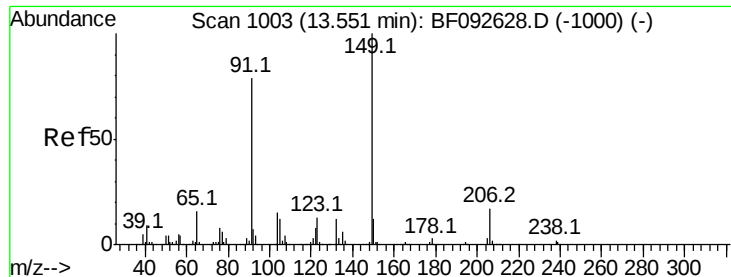
3/3/2017 5:16:39 PM



#78
Terphenyl-d14
Concen: 66.96 ng
RT: 12.93 min Scan# 949
Delta R.T. 0.01 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	12.7	11.4	17.2





#79
 Butylbenzylphthalate
 Concen: 40.90 ng
 RT: 13.40 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

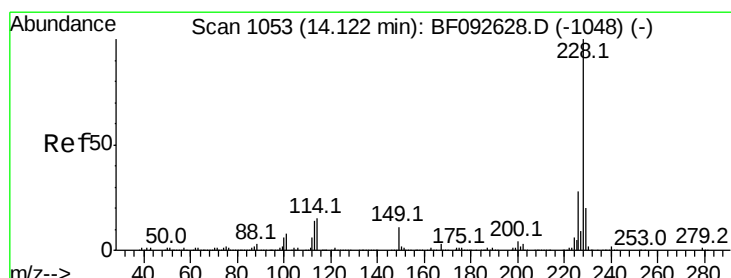
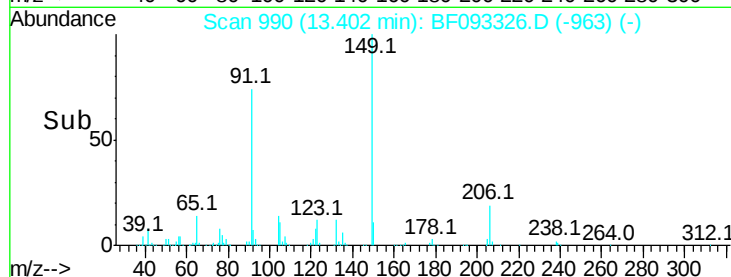
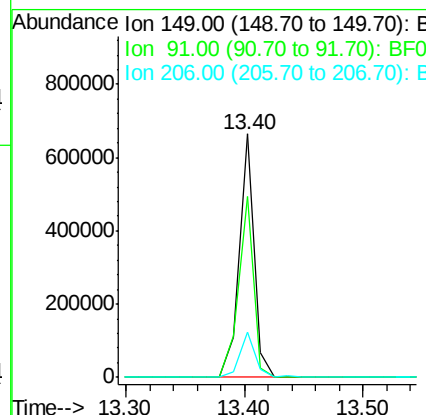
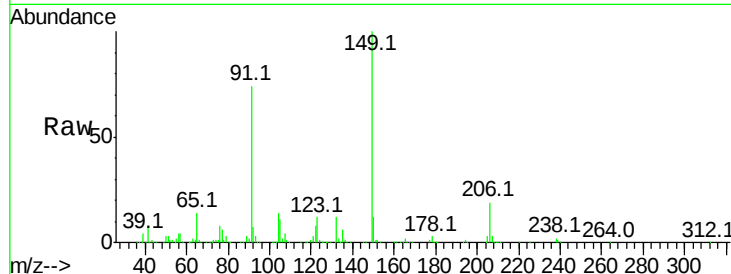
Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Tot Ion:	149	Resp:	580751
Ion Ratio	Lower	Upper	
149	100		
91	74.4	63.9	95.9
206	18.7	14.6	21.8

Manual Integrations
 APPROVED

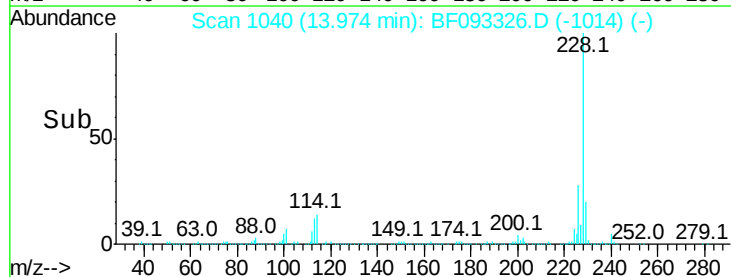
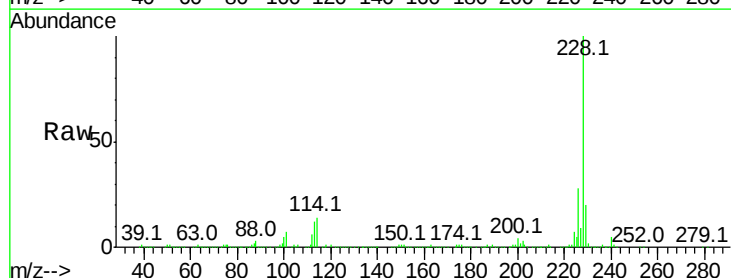
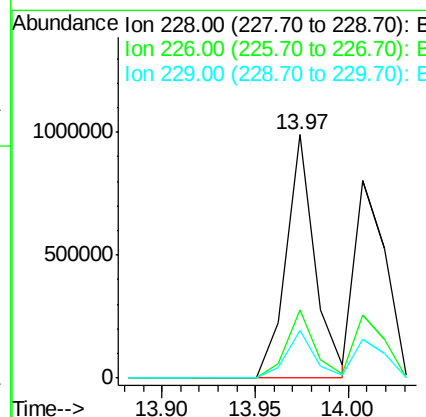
mohammad

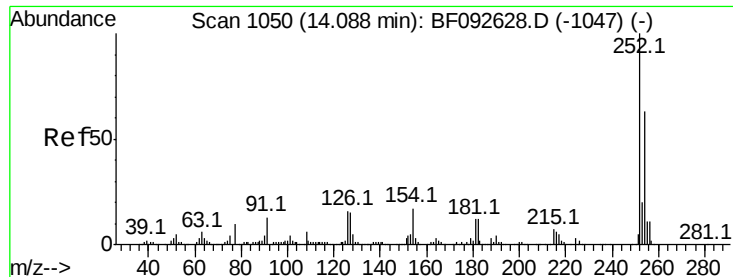
3/3/2017 5:16:39 PM



#80
 Benzo(a)anthracene
 Concen: 37.20 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion:	228	Resp:	1062899
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.4	33.6
229	19.7	16.2	24.4





#81
 3,3'-Dichlorobenzidine
 Concen: 24.52 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

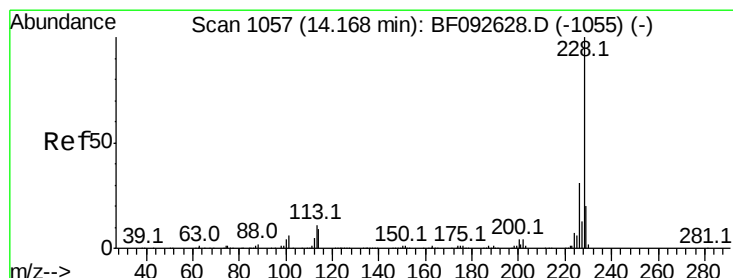
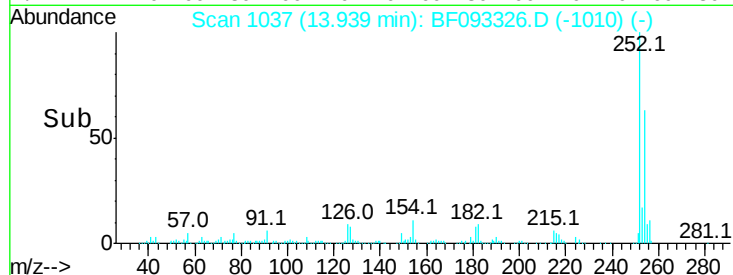
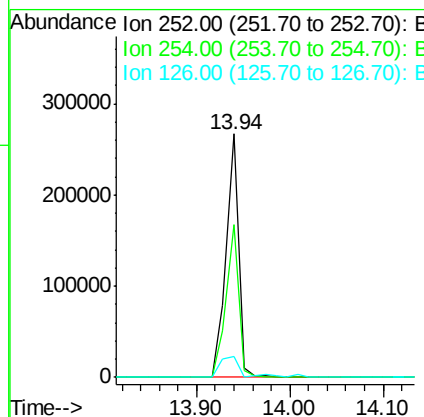
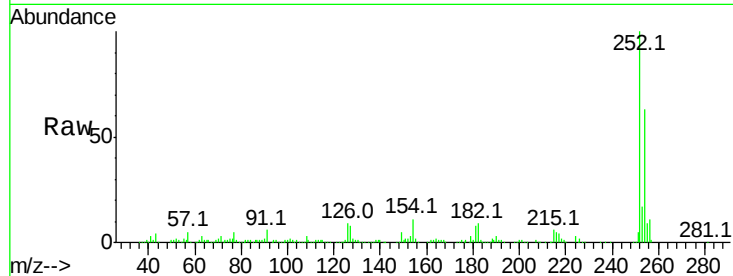
Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	249791		
254	62.5	52.3	78.5	
126	8.8	13.6	20.4	

Manual Integrations
 APPROVED

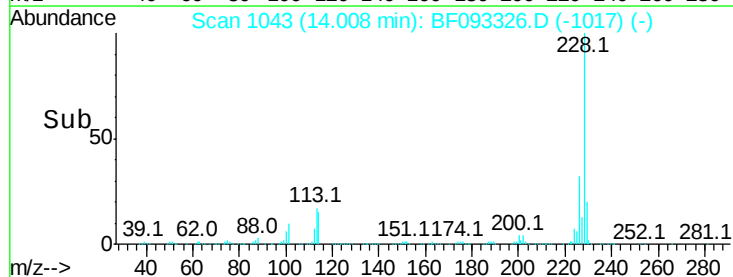
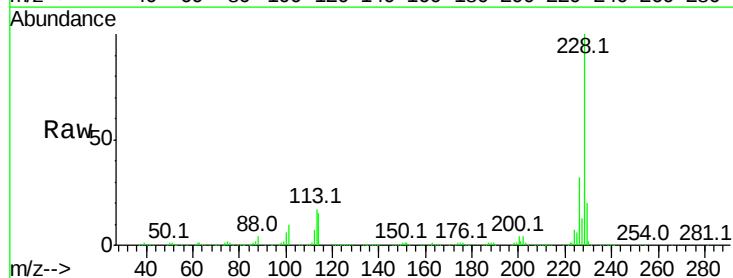
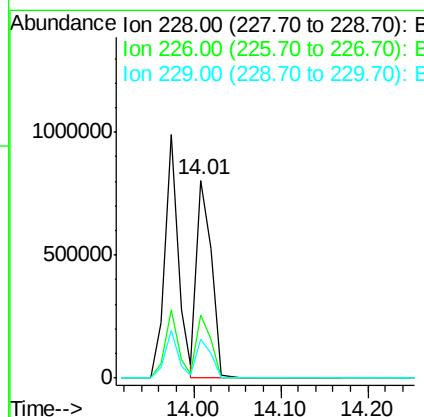
mohammad

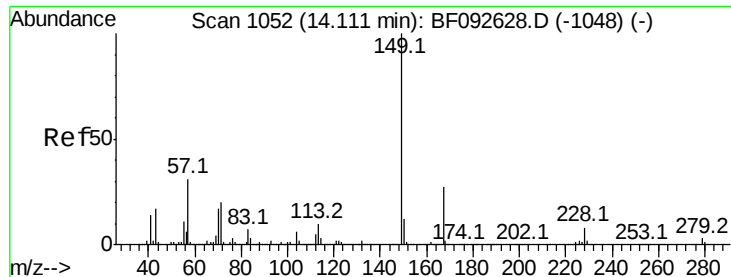
3/3/2017 5:16:39 PM



#82
 Chrysene
 Concen: 34.81 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	931436		
226	31.7	25.4	38.0	
229	19.9	16.2	24.2	





#83
 Bis(2-ethylhexyl)phthalate
 Concen: 42.72 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

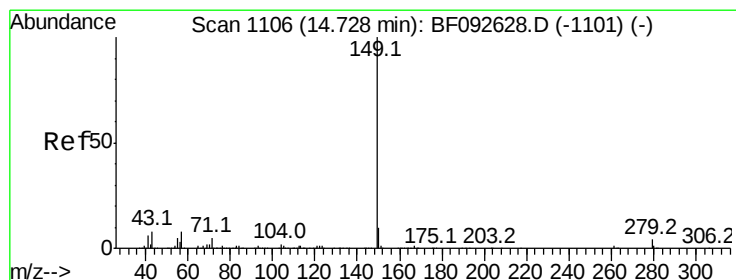
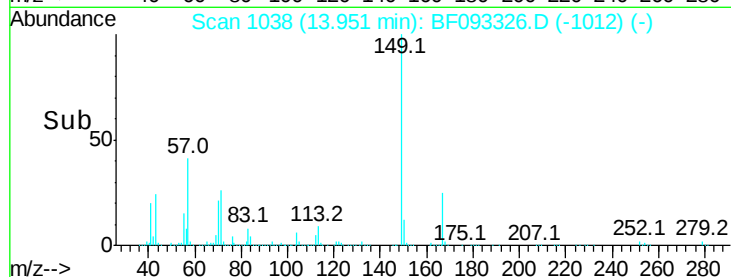
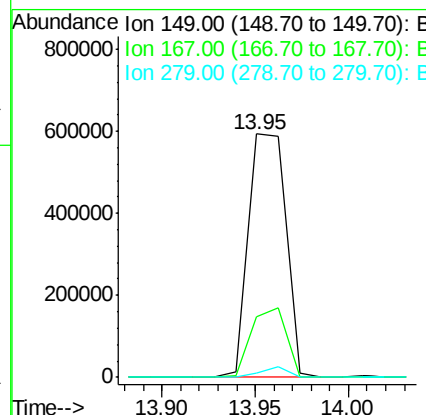
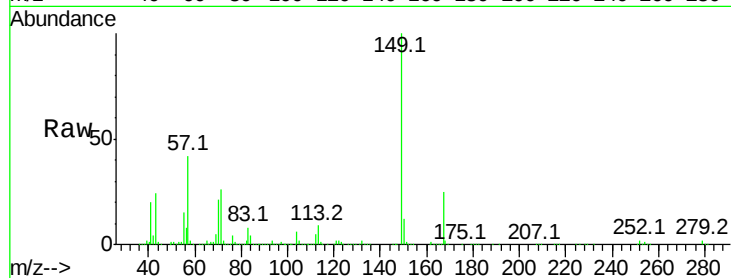
Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.2	30.4
279	1.8	1.8	2.8

Manual Integrations
 APPROVED

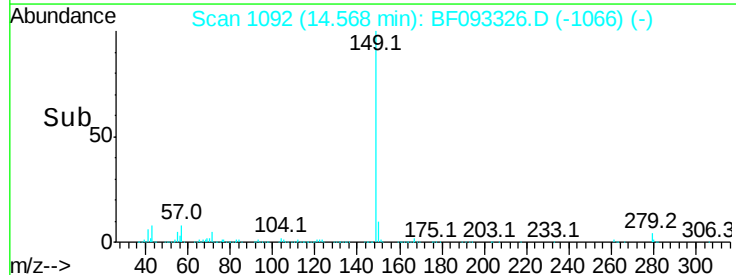
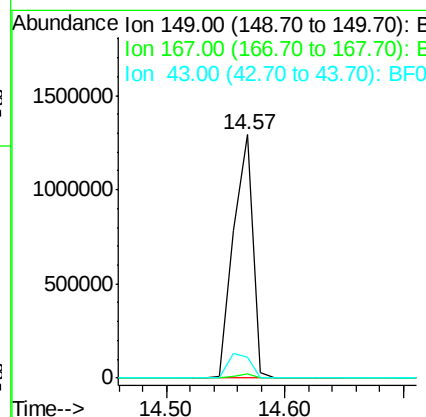
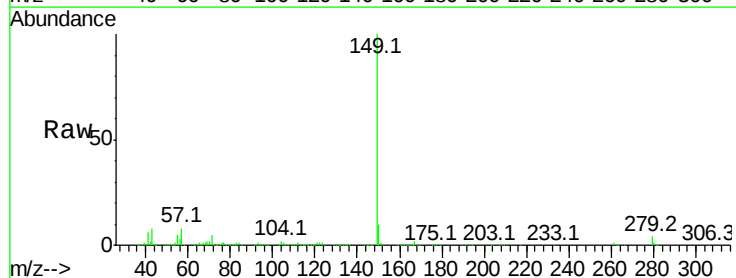
mohammad

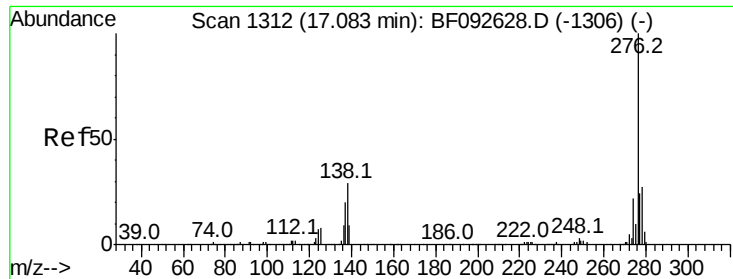
3/3/2017 5:16:39 PM



#84
 Di-n-octyl phthalate
 Concen: 46.17 ng
 RT: 14.57 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.4	8.9	13.3





#85
Indeno(1,2,3-cd)pyrene
Concen: 39.58 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

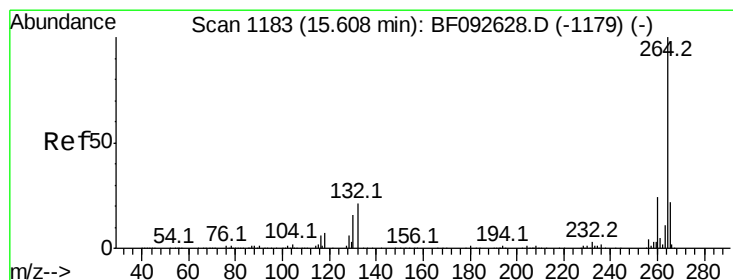
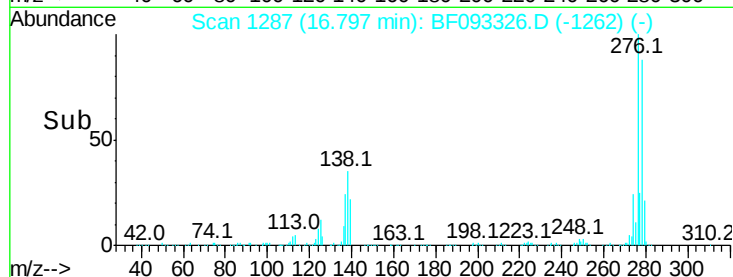
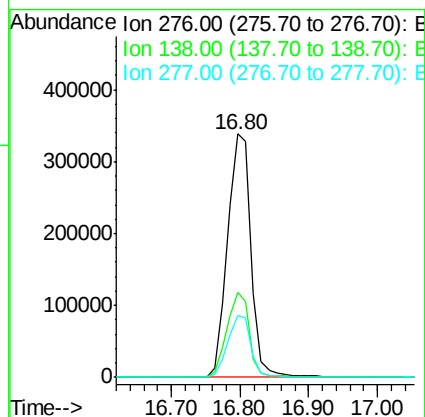
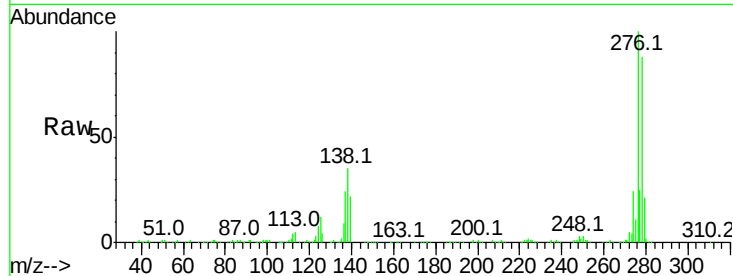
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.4	21.8	32.6#
277	25.2	20.2	30.4

Manual Integrations
APPROVED

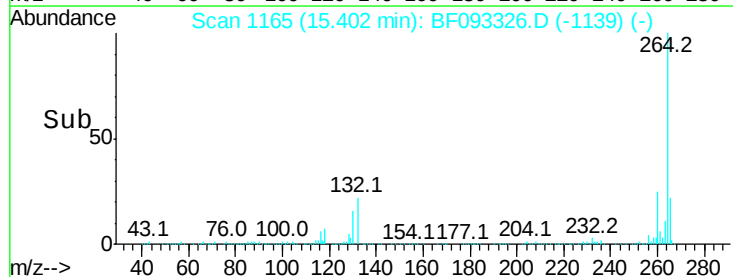
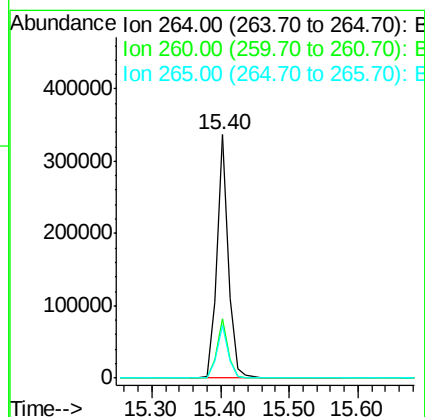
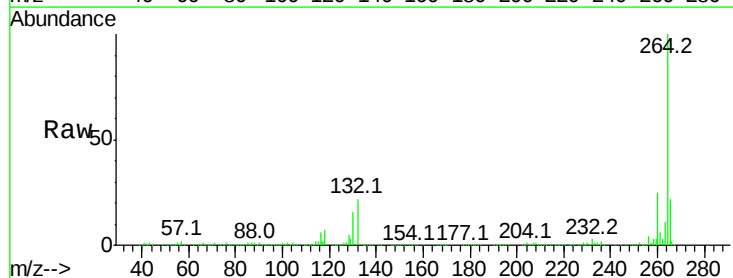
mohammad

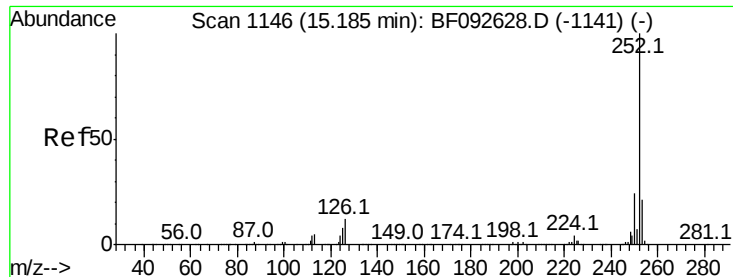
3/3/2017 5:16:39 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.8	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 39.58 ng m

RT: 15.00 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

Instrument :

BNA_F

ClientSampleId :

PB97286BSD

Tot Ion:252 Resp: 1033056

Ion Ratio Lower Upper

252 100

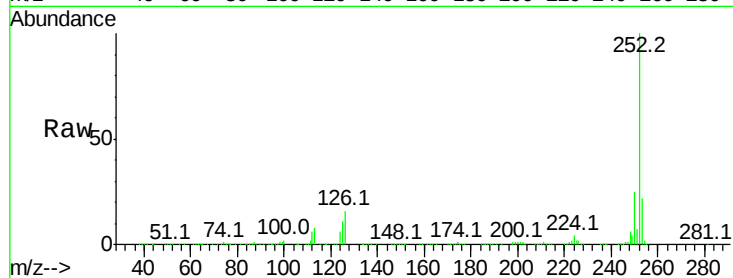
253 22.1 18.2 27.4

125 11.4 9.8 14.6

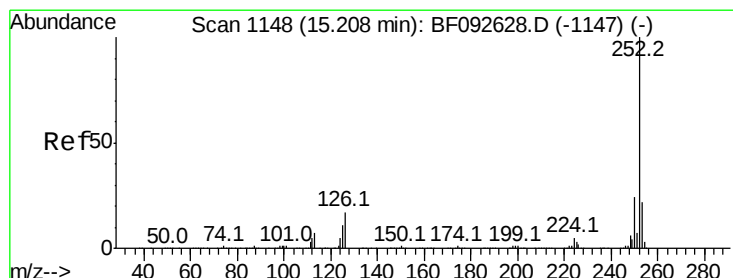
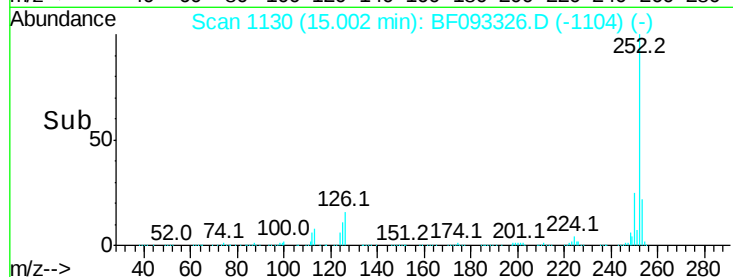
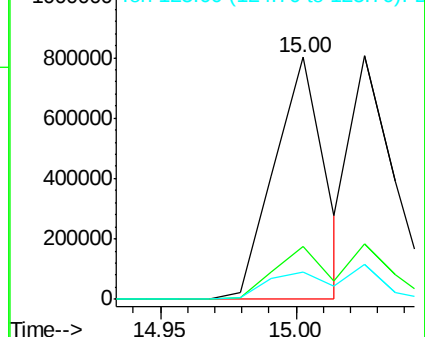
Manual Integrations
APPROVED

mohammad

3/3/2017 5:16:39 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: 37.68 ng m

RT: 15.03 min Scan# 1132

Delta R.T. -0.00 min

Lab File: BF093326.D

Acq: 2 Mar 2017 17:47

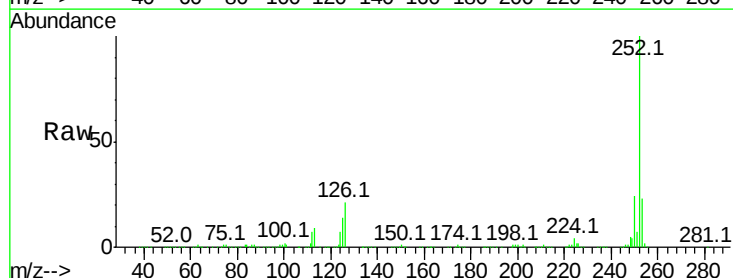
Tgt Ion:252 Resp: 849010

Ion Ratio Lower Upper

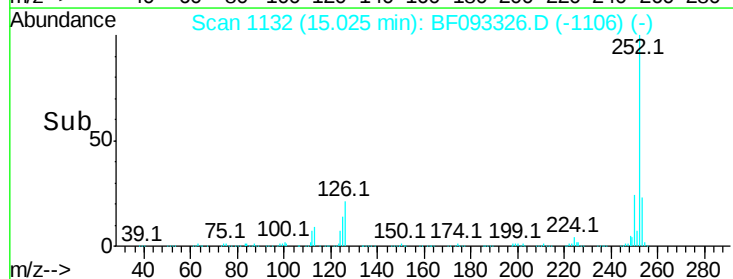
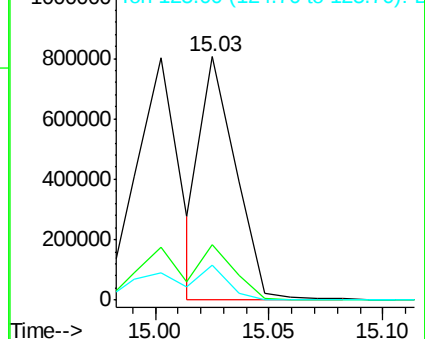
252 100

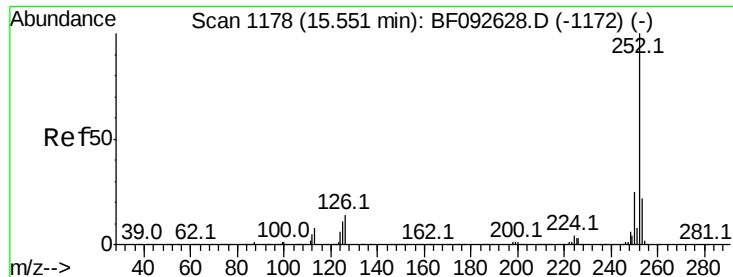
253 22.6 18.5 27.7

125 14.3 8.9 13.3#



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: 39.35 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

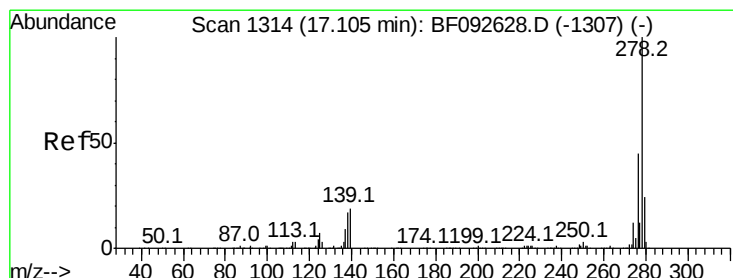
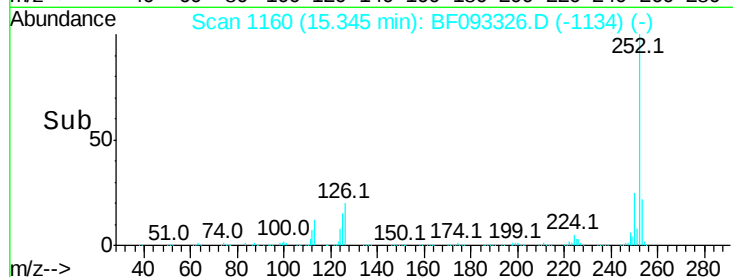
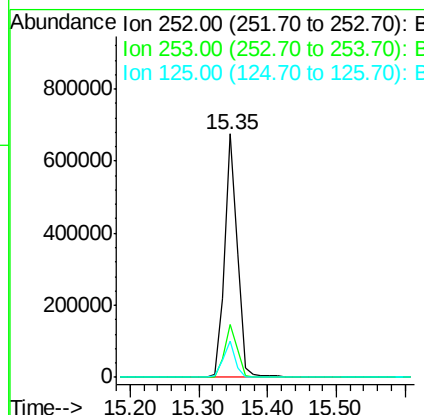
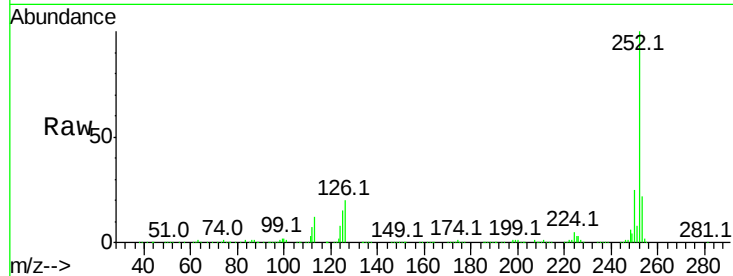
Instrument :
BNA_F
ClientSampleId :
PB97286BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	15.0	10.0	15.0

Manual Integrations
APPROVED

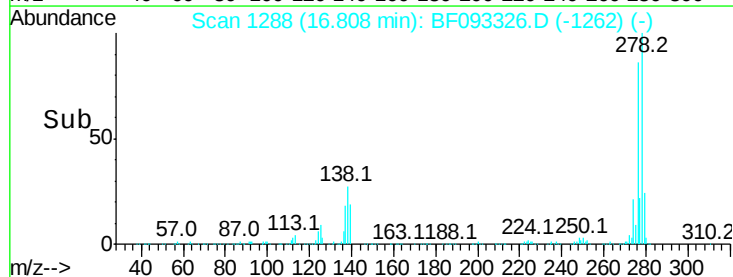
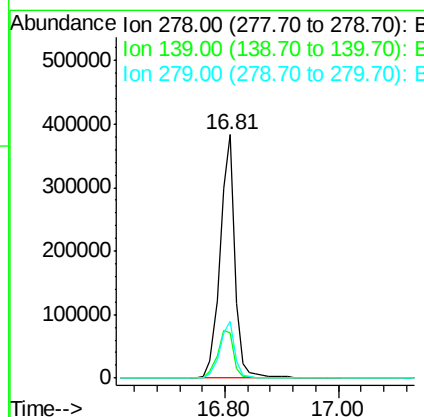
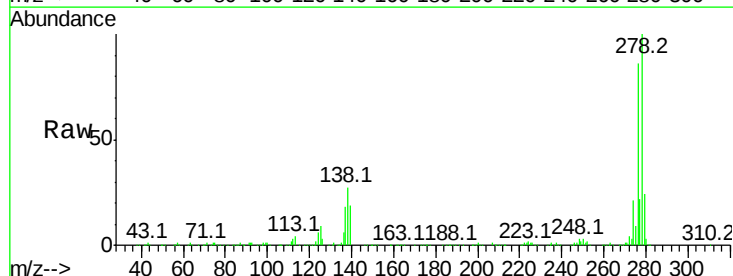
mohammad

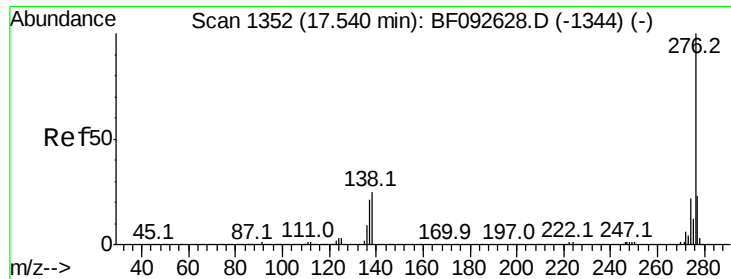
3/3/2017 5:16:39 PM



#90
Dibenzo(a,h)anthracene
Concen: 38.02 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BF093326.D
Acq: 2 Mar 2017 17:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.8	14.8	22.2
279	23.5	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 37.94 ng
 RT: 17.22 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: BF093326.D
 Acq: 2 Mar 2017 17:47

Instrument :
 BNA_F
 ClientSampleId :
 PB97286BSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	25.9	16.0	24.0

Manual Integrations
 APPROVED

mohammad

3/3/2017 5:16:39 PM

