

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
 Data File : BF093584.D
 Acq On : 11 Mar 2017 23:00
 Operator : SJ/MA
 Sample : I2106-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Manual Integrations
 APPROVED

mohammad
 3/15/2017 5:34:13 PM

Quant Time: Mar 13 19:23:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	150072	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	277358	20.00	ng	0.01
38) Acenaphthene-d10	9.81	164	118864	20.00	ng	0.05
63) Phenanthrene-d10	11.29	188	212896	20.00	ng	0.05
75) Chrysene-d12	13.89	240	319811	20.00	ng	0.00
86) Perylene-d12	15.29	264	286884	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1518563	168.41	ng	0.01
7) Phenol-d6	6.40	99	1625377	142.94	ng	0.02
23) Nitrobenzene-d5	7.30	82	989632	197.97	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	123644	159.66	ng	0.06
44) 2-Fluorobiphenyl	9.12	172	756664	118.41	ng	0.03
78) Terphenyl-d14	12.84	244	834689	67.86	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.23	88	213397	42.97	ng	# 84
3) Pyridine	2.93	79	383664	30.30	ng	87
4) n-Nitrosodimethylamine	2.87	42	326254	53.94	ng	83
6) Aniline	6.41	93	97776	6.27	ng	# 1
8) 2-Chlorophenol	6.52	128	454257	44.96	ng	92
9) Benzaldehyde	6.28	77	88701	9.45	ng	90
10) Phenol	6.41	94	706626	50.71	ng	# 70
11) bis(2-Chloroethyl)ether	6.47	93	545072	48.40	ng	96
12) 1,3-Dichlorobenzene	6.66	146	486848	42.10	ng	96
13) 1,4-Dichlorobenzene	6.74	146	506357	42.77	ng	98
14) 1,2-Dichlorobenzene	6.89	146	411142m	39.21	ng	
15) Benzyl Alcohol	6.89	79	335614	41.41	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.02	45	679765	36.34	ng	# 36
17) 2-Methylphenol	7.02	107	343422	40.19	ng	# 88
18) Hexachloroethane	7.24	117	145269	36.38	ng	93
19) n-Nitroso-di-n-propylamine	7.16	70	379955	48.60	ng	# 92
20) 3+4-Methylphenols	7.18	107	465659	42.02	ng	# 75
22) Acetophenone	7.16	105	574950	86.14	ng	# 88
24) Nitrobenzene	7.33	77	411643m	73.27	ng	
25) Isophorone	7.57	82	946955	93.94	ng	# 78
26) 2-Nitrophenol	7.65	139	209343	81.67	ng	# 44
27) 2,4-Dimethylphenol	7.70	122	352501	84.54	ng	95
28) bis(2-Chloroethoxy)methane	7.77	93	464799	73.04	ng	# 41
29) 2,4-Dichlorophenol	7.91	162	527907	134.57	ng	# 84
30) 1,2,4-Trichlorobenzene	7.97	180	288924	69.26	ng	# 95
31) Naphthalene	8.05	128	1138159	81.89	ng	# 83
32) Benzoic acid	7.83	122	113153	52.22	ng	# 54
33) 4-Chloroaniline	8.13	127	56250	9.97	ng	# 11
34) Hexachlorobutadiene	8.16	225	158085	73.57	ng	99
35) Caprolactam	8.48	113	353048	263.52	ng	# 1
36) 4-Chloro-3-methylphenol	8.62	107	233431	55.75	ng	91
37) 2-Methylnaphthalene	8.76	142	494992	55.97	ng	# 86
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	174501	53.76	ng	# 87
40) Hexachlorocyclopentadiene	8.90	237	16809	29.51	ng	94

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031117\
 Data File : BF093584.D
 Acq On : 11 Mar 2017 23:00
 Operator : SJ/MA
 Sample : I2106-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

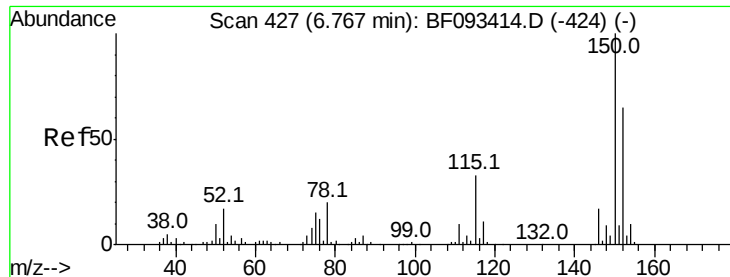
Manual Integrations
 APPROVED

mohammad
 3/15/2017 5:34:13 PM

Quant Time: Mar 13 19:23:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.04	196	109680	54.09	nq	86
43) 2,4,5-Trichlorophenol	9.10	196	87699	40.30	nq #	1
45) 1,1'-Biphenyl	9.22	154	435143	50.25	nq	96
46) 2-Chloronaphthalene	9.25	162	376556	56.81	nq #	82
47) 2-Nitroaniline	9.35	65	104709	44.69	nq #	71
48) Acenaphthylene	9.67	152	449404	41.11	nq #	63
49) Dimethylphthalate	9.52	163	220417	27.97	nq #	72
50) 2,6-Dinitrotoluene	9.61	165	99325	57.44	nq #	28
51) Acenaphthene	9.84	154	426903	66.04	nq #	81
52) 3-Nitroaniline	9.76	138	93386	44.95	nq #	65
53) 2,4-Dinitrophenol	9.86	184	2236	2.84	nq #	1
54) Dibenzofuran	10.02	168	483246	59.73	nq #	30
55) 4-Nitrophenol	10.02	139	377399	374.03	nq #	48
56) 2,4-Dinitrotoluene	10.05	165	133419	62.81	nq #	77
57) Fluorene	10.37	166	584256	85.22	nq #	80
58) 2,3,4,6-Tetrachlorophenol	10.16	232	43116	28.08	nq #	1
59) Diethylphthalate	10.23	149	271244	36.02	nq #	86
60) 4-Chlorophenyl-phenylether	10.36	204	127199	41.39	nq #	47
61) 4-Nitroaniline	10.39	138	57070m	26.86	nq	
62) Azobenzene	10.52	77	288087	33.66	nq #	29
64) 4,6-Dinitro-2-methylphenol	10.46	198	7941	5.76	nq #	1
65) n-Nitrosodiphenylamine	10.41	169	478310	67.28	nq	95
66) 4-Bromophenyl-phenylether	10.84	248	96379	42.81	nq #	56
67) Hexachlorobenzene	10.95	284	66577	30.97	nq #	65
68) Atrazine	11.00	200	124022	59.61	nq	85
69) Pentachlorophenol	11.12	266	64540	86.96	nq	97
70) Phenanthrene	11.32	178	1647496	135.57	nq #	95
71) Anthracene	11.37	178	588472	47.87	nq #	81
72) Carbazole	11.52	167	406395	35.19	nq #	79
73) Di-n-butylphthalate	11.83	149	679721	50.88	nq	98
74) Fluoranthene	12.48	202	846034	72.08	nq	98
76) Benzydine	12.61	184	71562	6.80	nq #	54
77) Pyrene	12.71	202	1156225	49.71	nq	98
79) Butylbenzylphthalate	13.31	149	435380	44.47	nq	88
80) Benzo(a)anthracene	13.88	228	841030	44.53	nq	99
81) 3,3'-Dichlorobenzidine	13.84	252	146725	22.18	nq #	97
82) Chrysene	13.91	228	719955	41.20	nq	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	611742	44.83	nq	99
84) Di-n-octyl phthalate	14.47	149	1057699	46.50	nq #	91
85) Indeno(1,2,3-cd)pyrene	16.64	276	680887	46.55	nq	95
87) Benzo(b)fluoranthene	14.89	252	766806m	43.89	nq	
88) Benzo(k)fluoranthene	14.92	252	765228m	45.42	nq	
89) Benzo(a)pyrene	15.24	252	754180	47.23	nq	98
90) Dibenzo(a,h)anthracene	16.64	278	572262	43.32	nq	98
91) Benzo(g,h,i)perylene	17.04	276	576075	42.49	nq #	90

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. -0.00 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

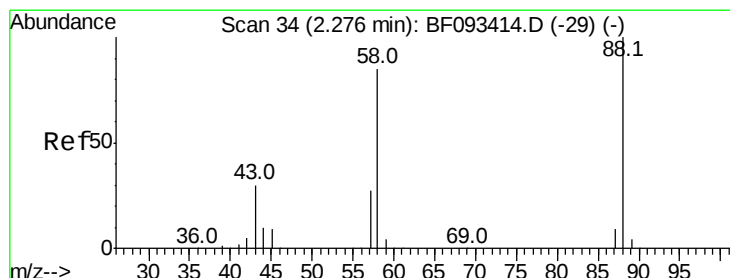
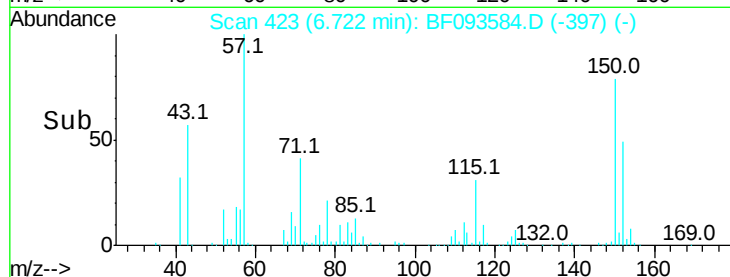
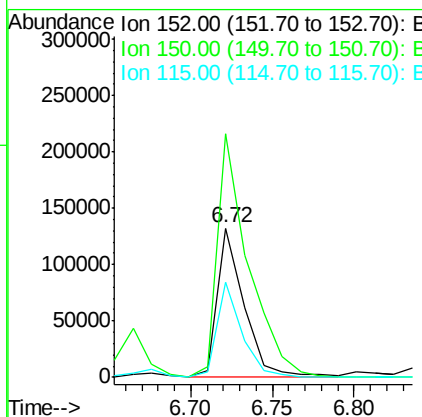
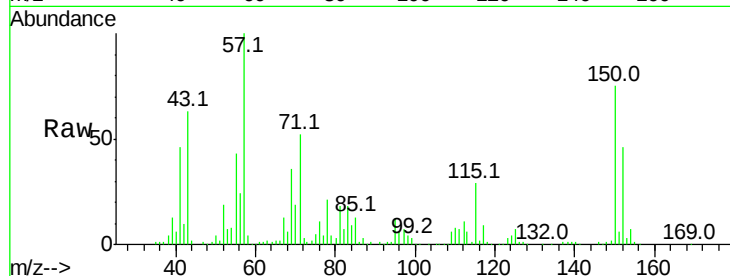
ClientSampleId :

HY-SB419AMSD

Tot Ion:	152	Resp:	150072
Ion Ratio	Lower	Upper	
152	100		
150	163.0	124.9	187.3
115	63.4	46.0	69.0

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#2

1,4-Dioxane

Concen: 42.97 ng

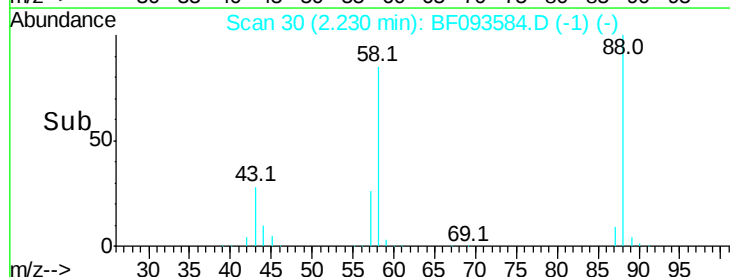
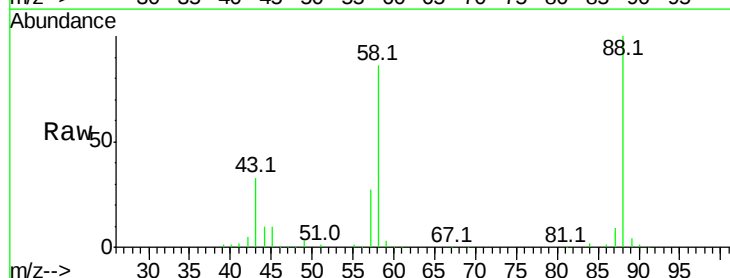
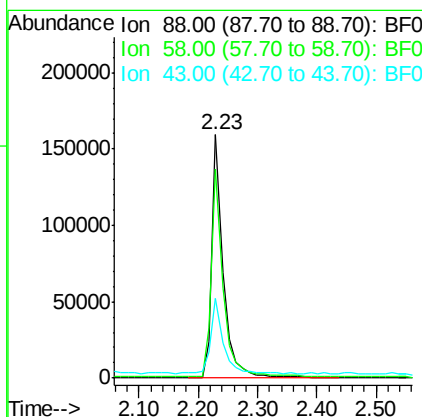
RT: 2.23 min Scan# 30

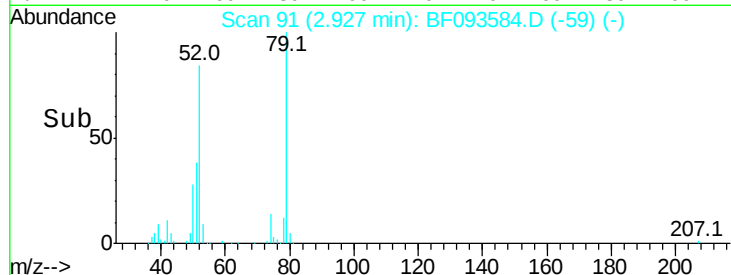
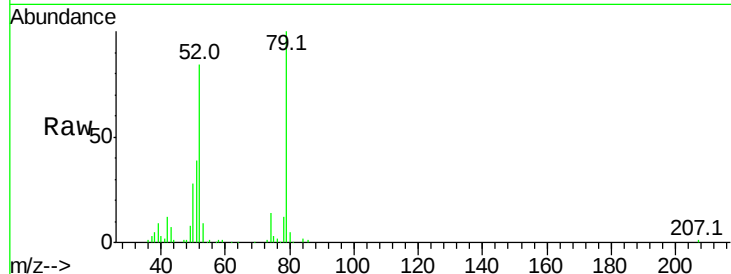
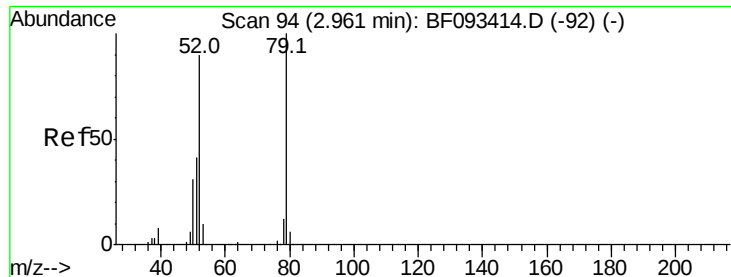
Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:	88	Resp:	213397
Ion Ratio	Lower	Upper	
88	100		
58	87.8	57.8	86.8#
43	32.3	22.3	33.5





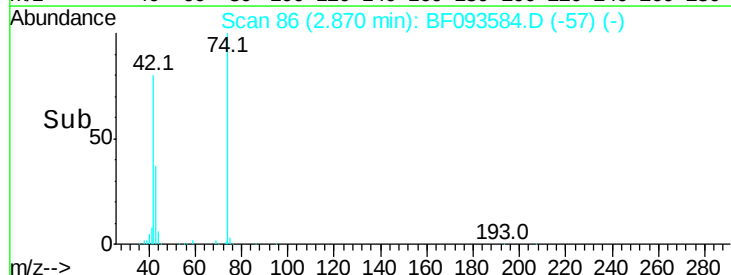
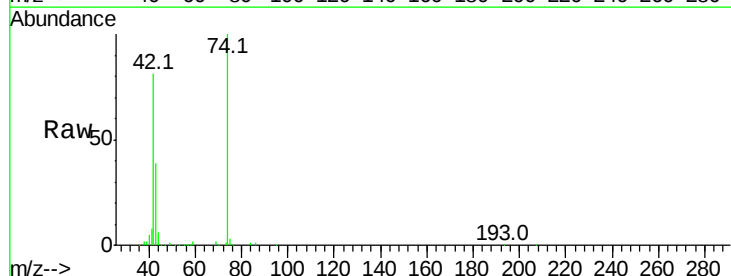
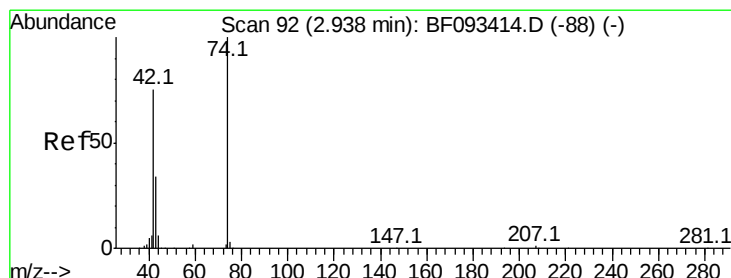
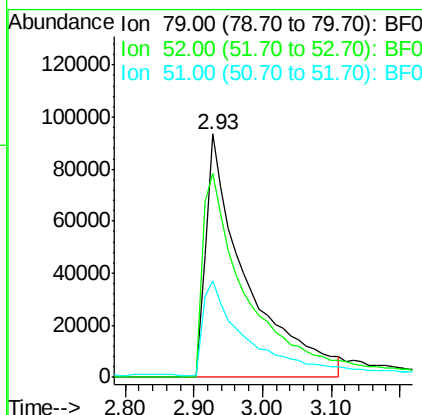
#3
Pvridine
Concen: 30.30 ng
RT: 2.93 min Scan# 91
Delta R.T. 0.07 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100			
52	52	83.6		57.1	85.7
51	51	39.5		27.3	40.9

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

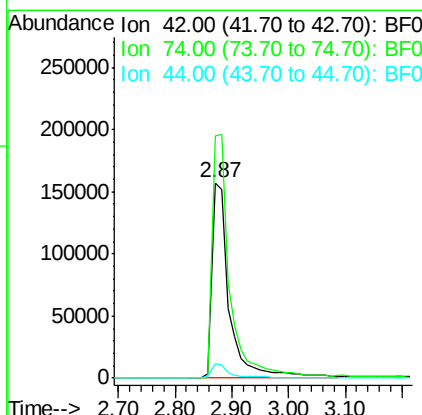
Manual Integrations
APPROVED

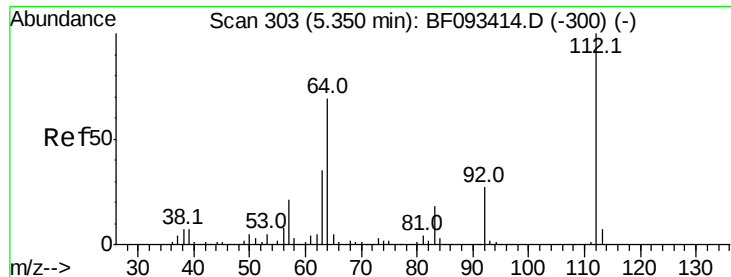
mohammad
3/15/2017 5:34:13 PM



#4
n-Nitrosodimethylamine
Concen: 53.94 ng
RT: 2.87 min Scan# 86
Delta R.T. 0.03 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100			
74	74	124.1		117.0	175.4
44	44	7.5		5.5	8.3





#5

2-Fluorophenol

Concen: 168.41 ng

RT: 5.33 min Scan# 301

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

Tot Ion:112 Resp: 1518563

Ion Ratio Lower Upper

112 100

64 57.4 46.1 69.1

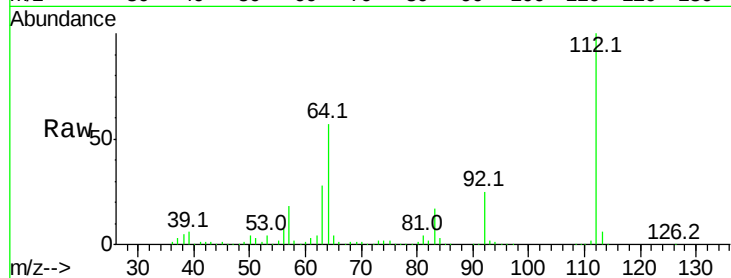
63 28.3 23.8 35.6

Manual Integrations

APPROVED

mohammad

3/15/2017 5:34:13 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

1200000

1000000

800000

600000

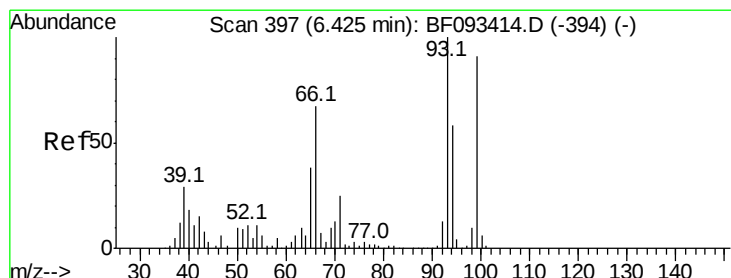
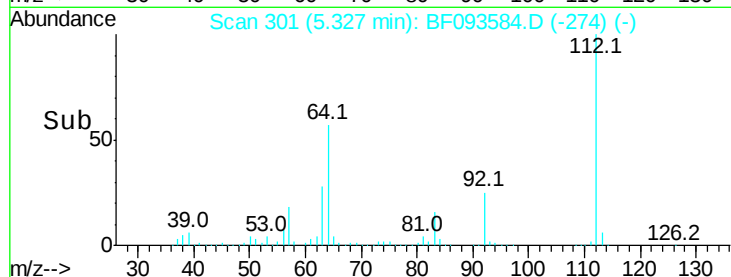
400000

200000

0

5.20 5.40 5.60

Time-->



#6

Aniline

Concen: 6.27 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

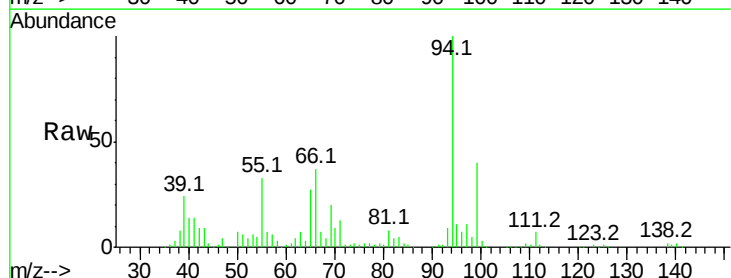
Tgt Ion: 93 Resp: 97776

Ion Ratio Lower Upper

93 100

66 405.9 76.2 114.2#

65 299.1 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

500000

400000

300000

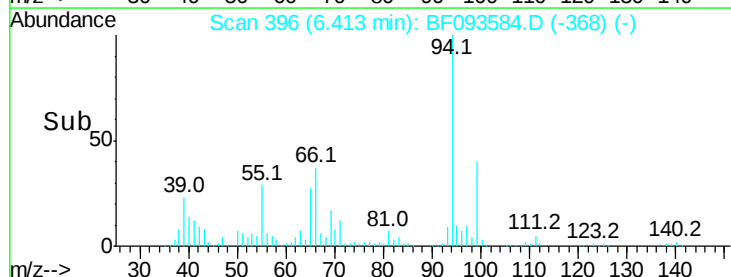
200000

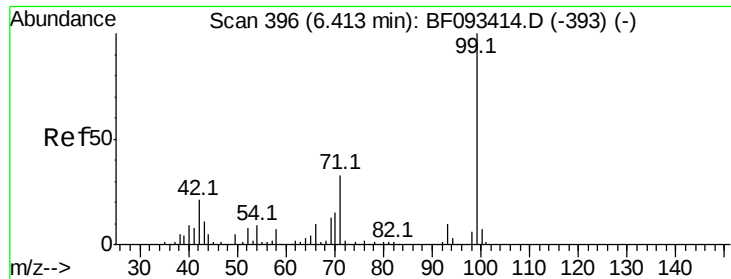
100000

0

6.30 6.40

Time-->





#7

Phenol-d6

Concen: 142.94 ng

RT: 6.40 min Scan# 395

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

Tot Ion: 99 Resp: 1625377

Ion Ratio Lower Upper

99 100

42 17.2 15.6 23.4

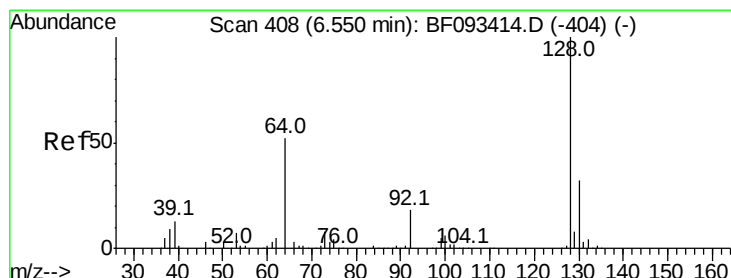
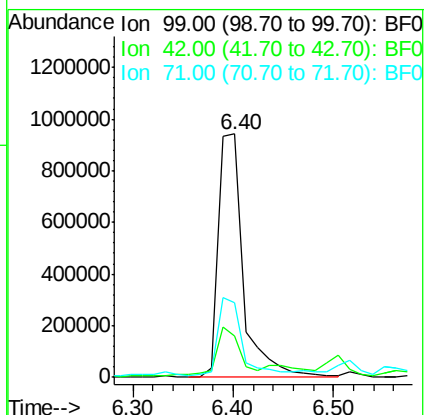
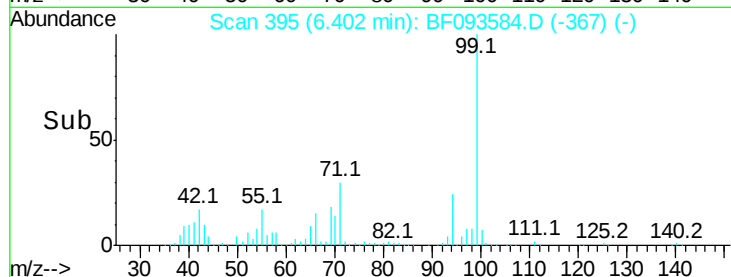
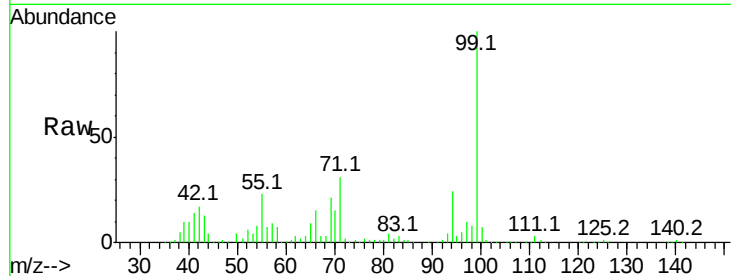
71 30.7 27.5 41.3

Manual Integrations

APPROVED

mohammad

3/15/2017 5:34:13 PM



#8

2-Chlorophenol

Concen: 44.96 ng

RT: 6.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

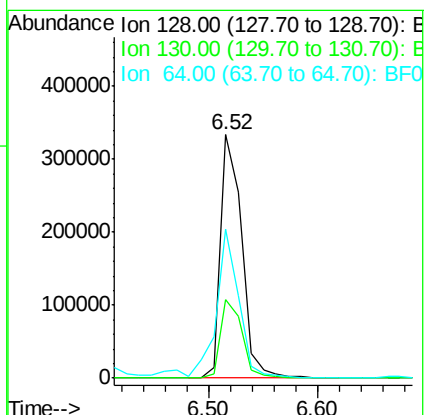
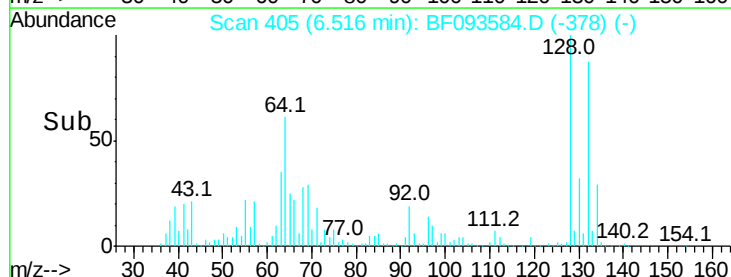
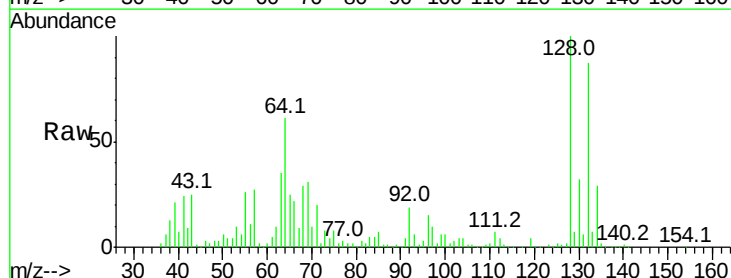
Tgt Ion:128 Resp: 454257

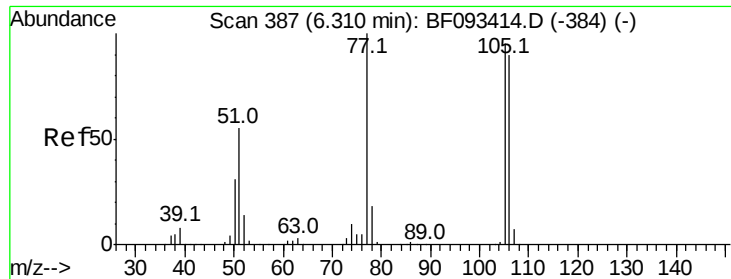
Ion Ratio Lower Upper

128 100

130 32.1 12.3 52.3

64 60.9 32.2 72.2





#9

Benzaldehyde

Concen: 9.45 ng

RT: 6.28 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

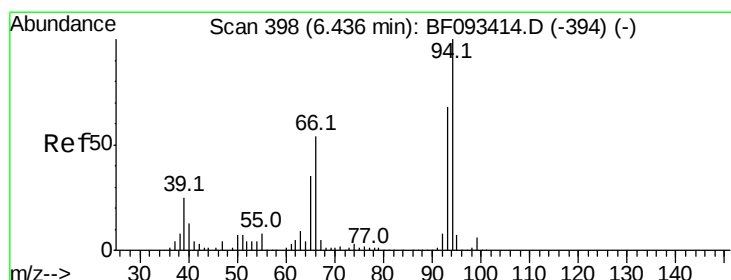
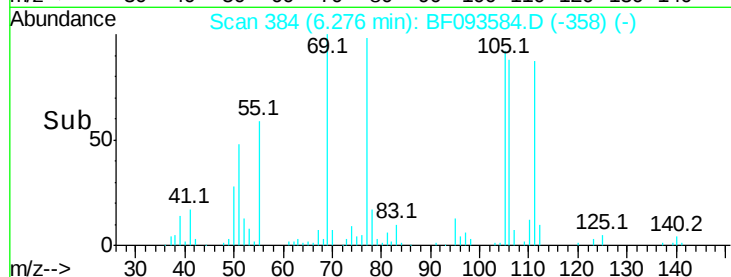
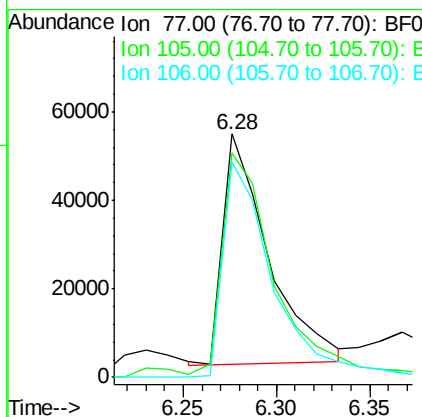
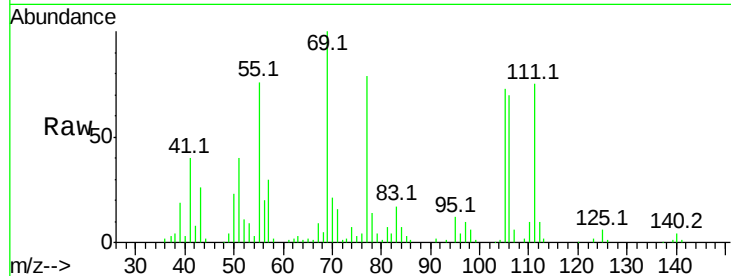
ClientSampleId :

HY-SB419AMSD

Tot Ion:	77	Resp:	88701
Ion	Ratio	Lower	Upper
77	100		
105	92.4	83.9	123.9
106	88.6	77.6	117.6

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#10

Phenol

Concen: 50.71 ng

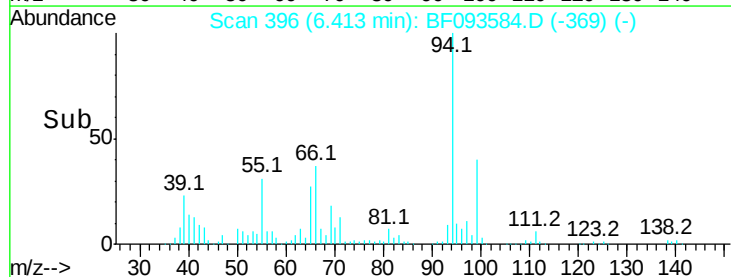
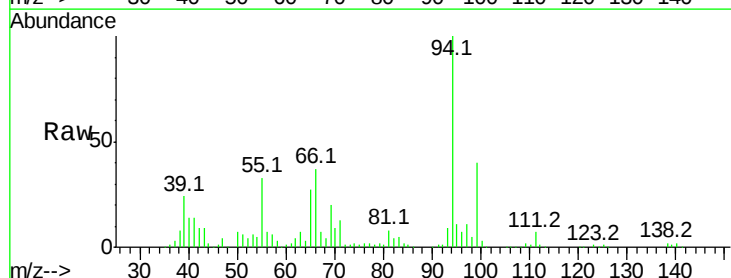
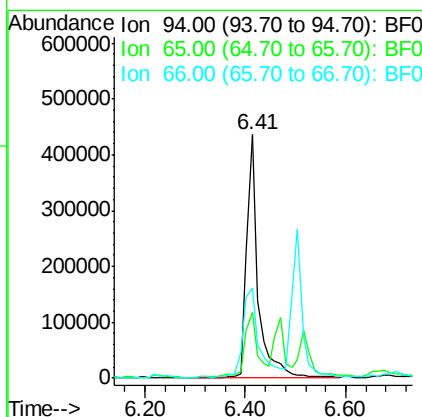
RT: 6.41 min Scan# 396

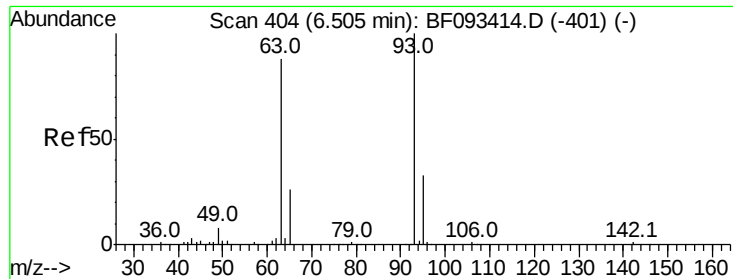
Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:	94	Resp:	706626
Ion	Ratio	Lower	Upper
94	100		
65	27.2	21.4	61.4
66	36.9	44.0	84.0#





#11

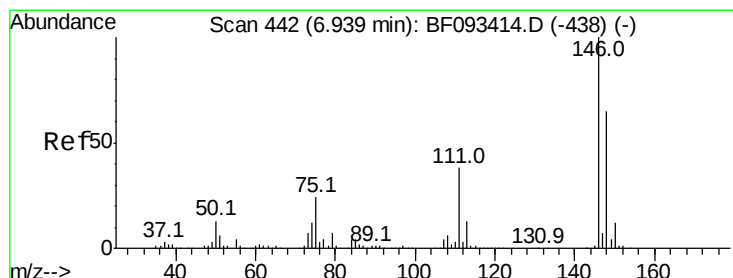
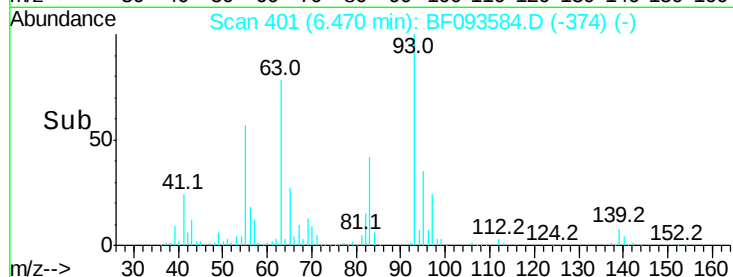
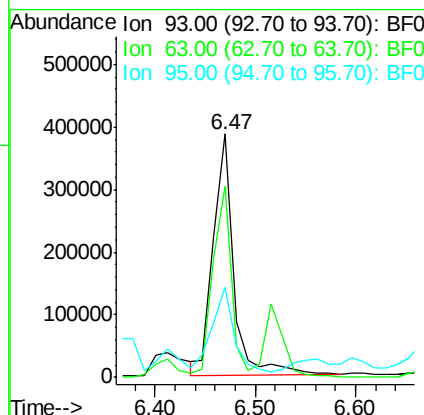
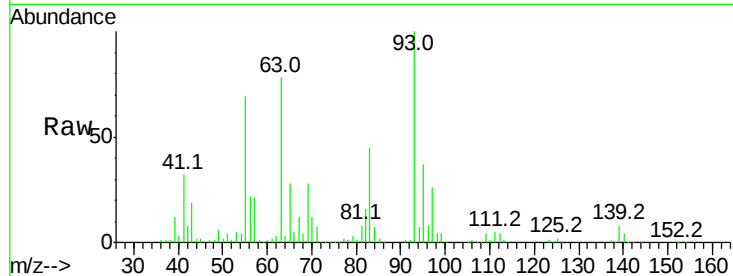
bis(2-Chloroethyl)ether
Concen: 48.40 ng
RT: 6.47 min Scan# 401
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.4	60.4	100.4
95	37.1	12.8	52.8

Manual Integrations
APPROVED

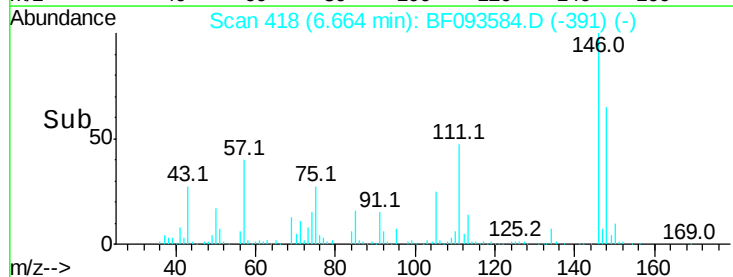
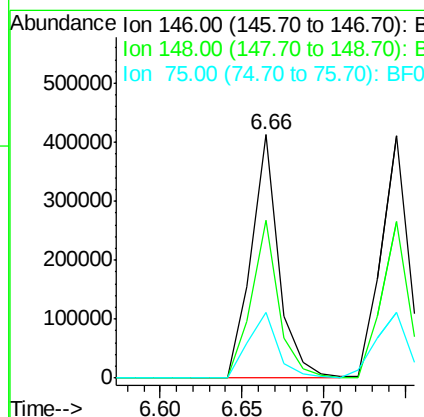
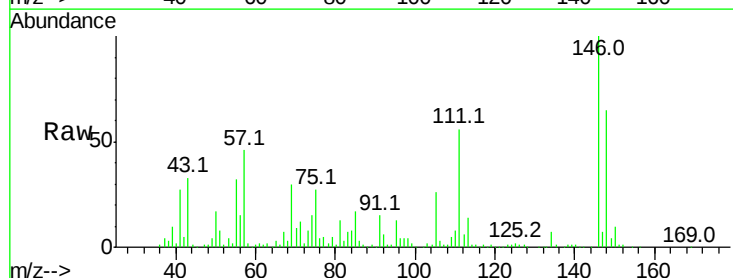
mohammad
3/15/2017 5:34:13 PM

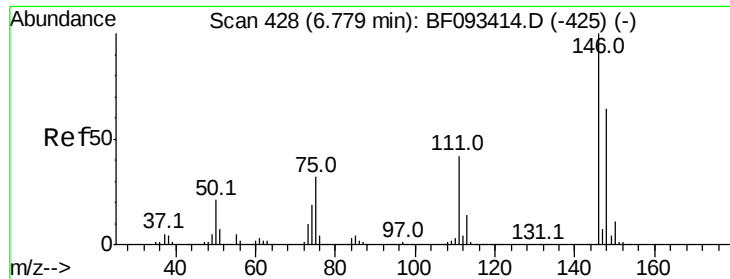


#12

1,3-Dichlorobenzene
Concen: 42.10 ng
RT: 6.66 min Scan# 418
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	53.4	80.0
75	27.2	18.5	27.7





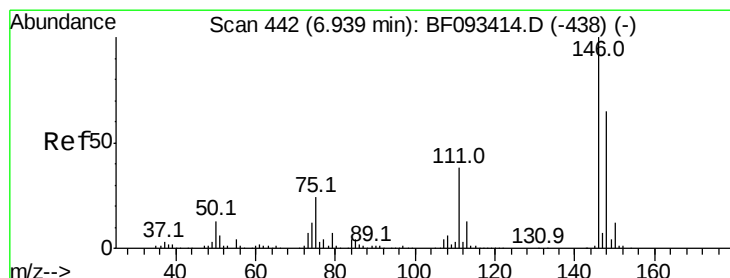
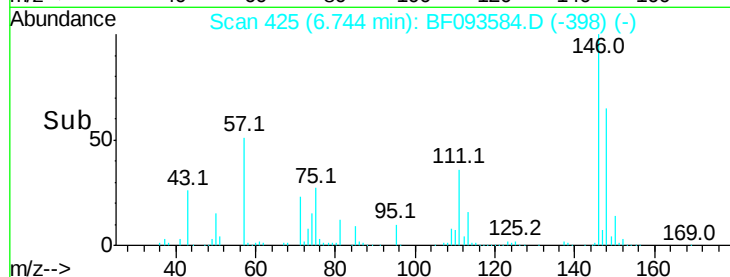
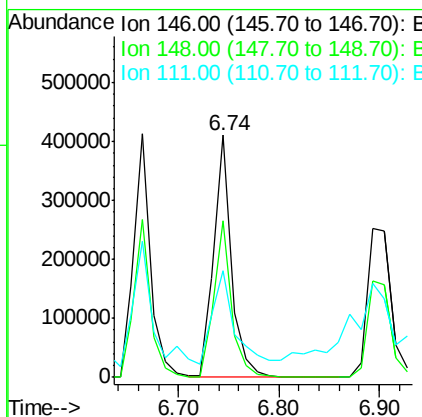
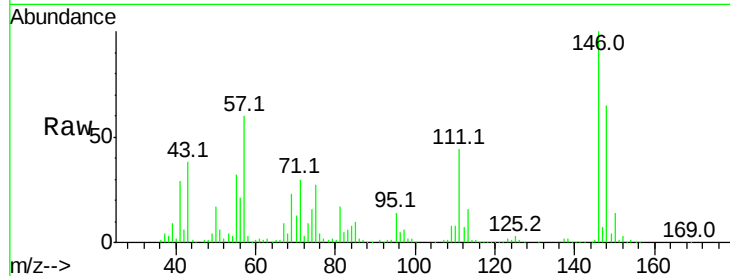
#13
 1,4-Dichlorobenzene
 Concen: 42.77 ng
 RT: 6.74 min Scan# 425
 Delta R.T. 0.01 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.6	76.0
111	44.2	36.2	54.4

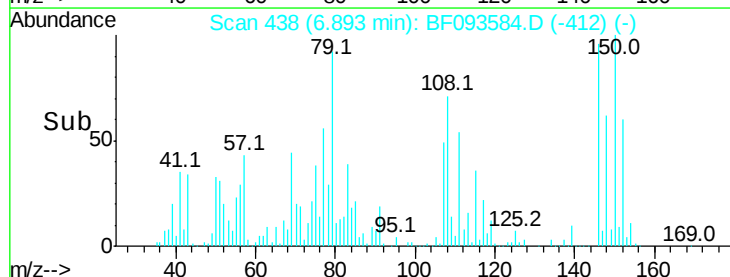
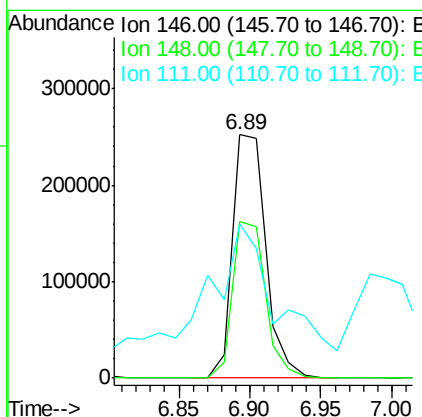
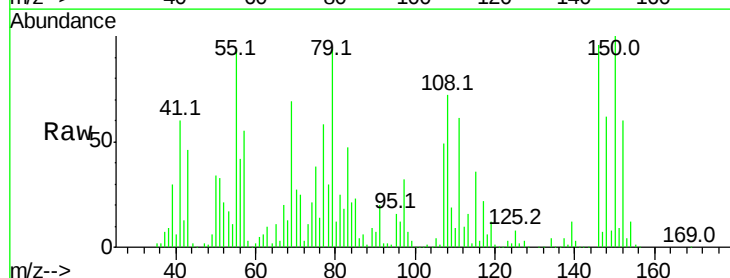
Manual Integrations
 APPROVED

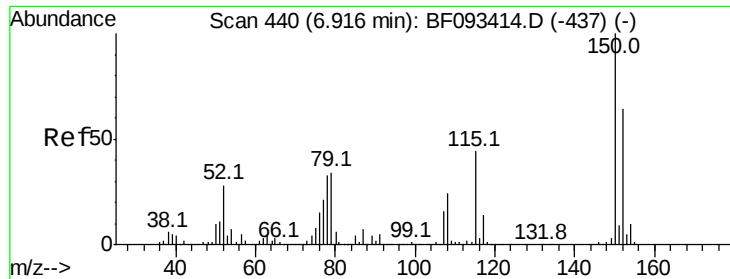
mohammad
 3/15/2017 5:34:13 PM



#14
 1,2-Dichlorobenzene
 Concen: 39.21 ng m
 RT: 6.89 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.2	78.2
111	63.3	36.2	54.2#





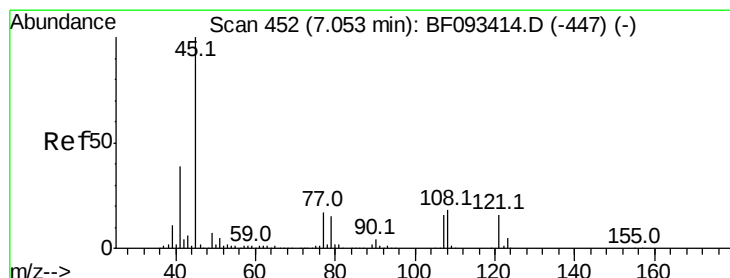
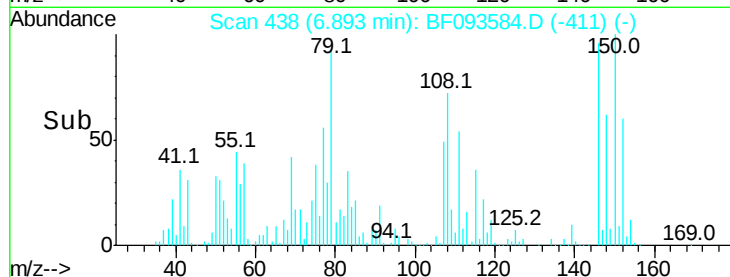
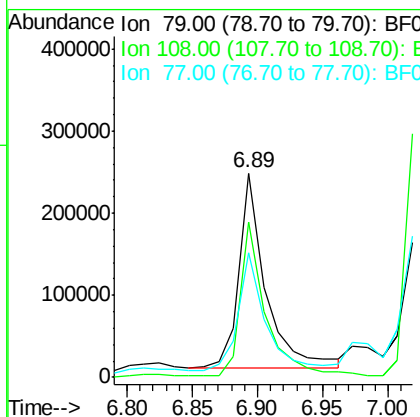
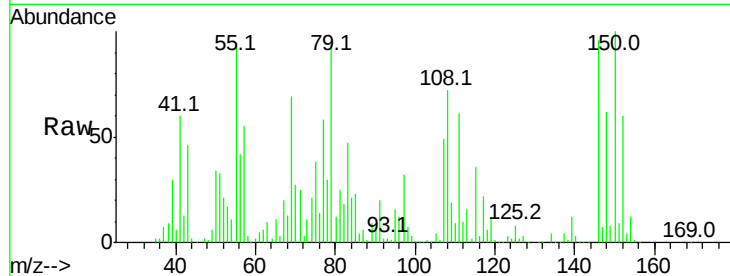
#15
Benzyl Alcohol
Concen: 41.41 ng
RT: 6.89 min Scan# 438
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	76.2	61.4	92.0
77	61.0	50.9	76.3

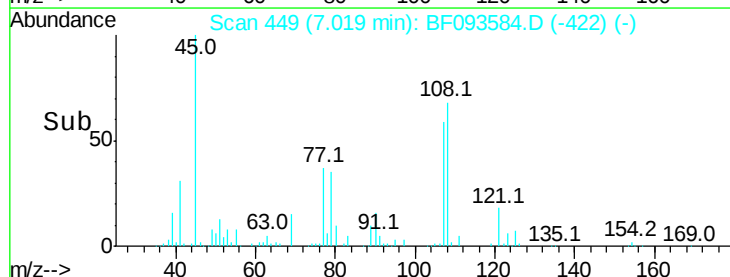
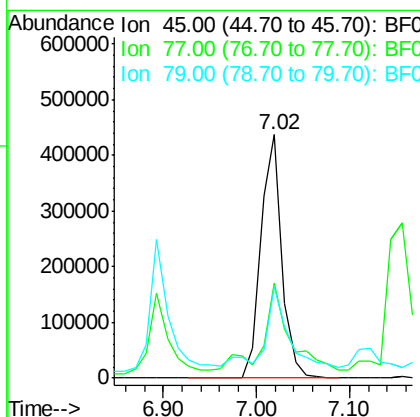
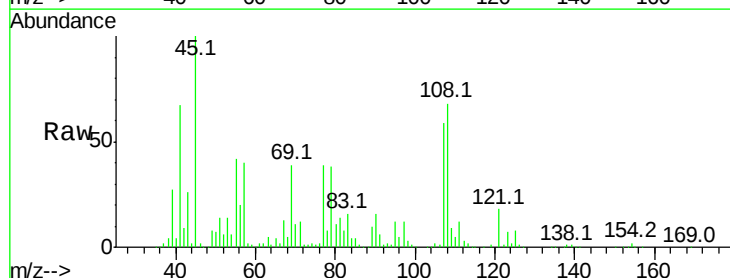
Manual Integrations
APPROVED

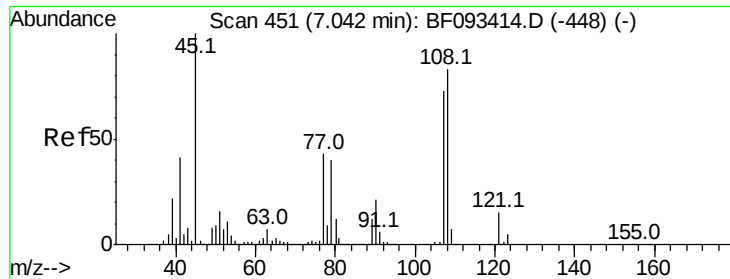
mohammad
3/15/2017 5:34:13 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.34 ng
RT: 7.02 min Scan# 449
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
45	100		
77	39.2	0.0	34.6#
79	37.7	0.0	31.2#





#17

2-Methylphenol

Concen: 40.19 ng

RT: 7.02 min Scan# 449

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

Tot Ion:107 Resp: 343422
Ion Ratio Lower Upper

107 100

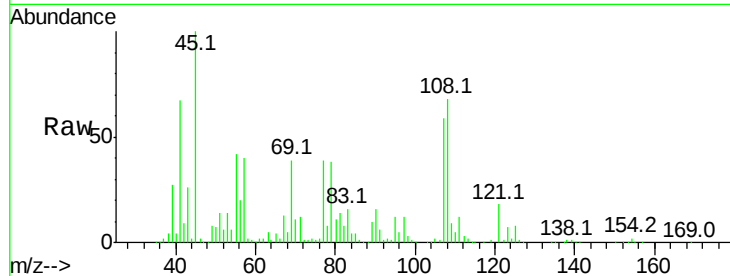
108 113.9 93.0 139.6

77 65.9 39.8 59.8#

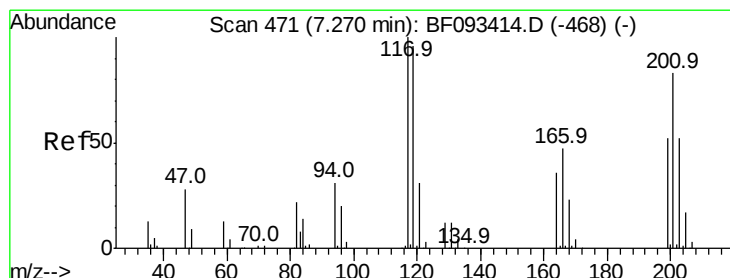
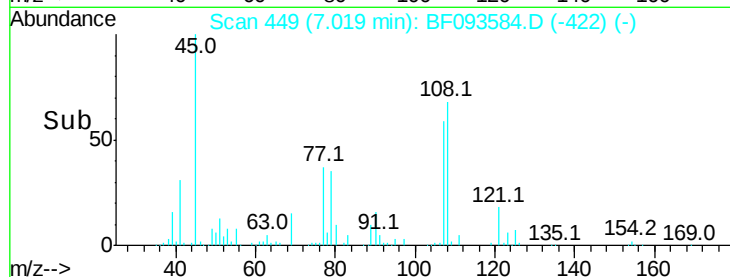
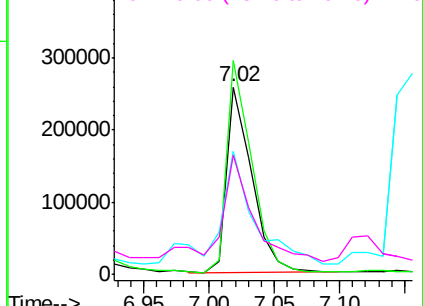
79 63.3 38.0 57.0#

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 36.38 ng

RT: 7.24 min Scan# 468

Delta R.T. 0.01 min

Lab File: BF093584.D

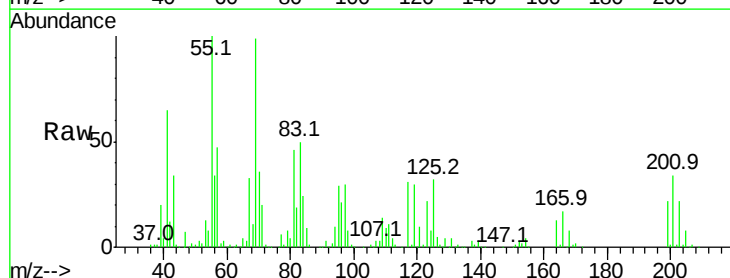
Acq: 11 Mar 2017 23:00

Tgt Ion:117 Resp: 145269
Ion Ratio Lower Upper

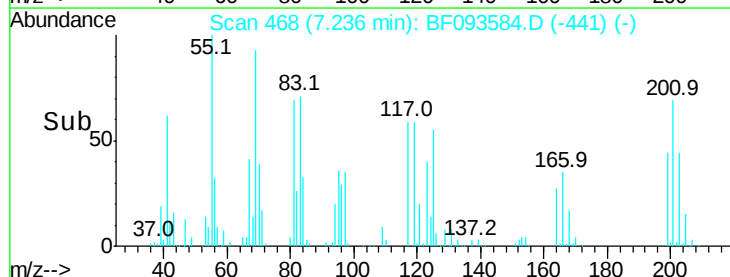
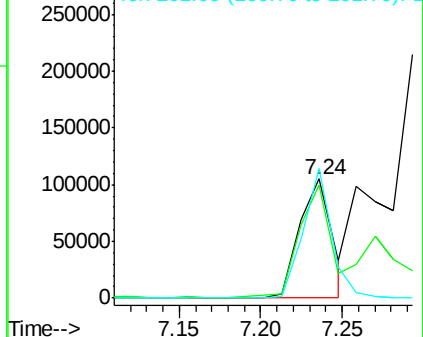
117 100

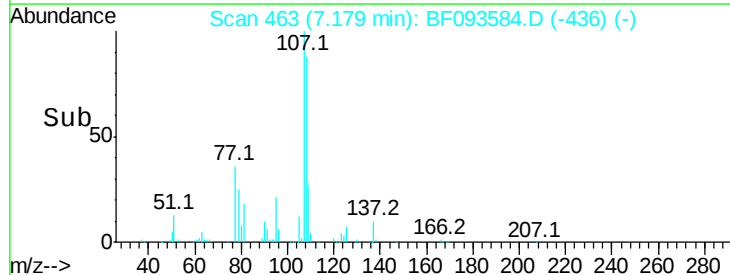
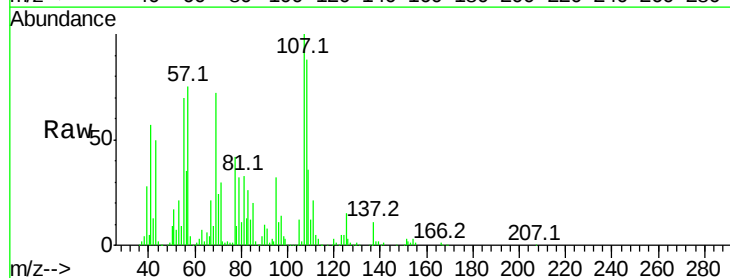
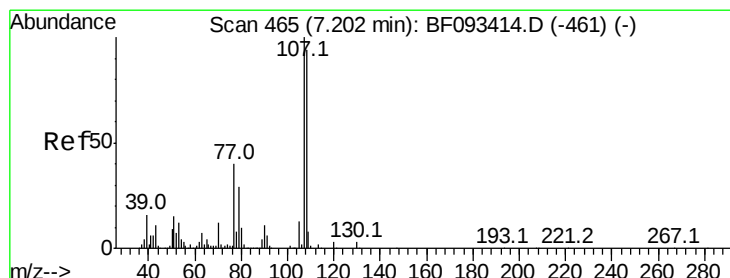
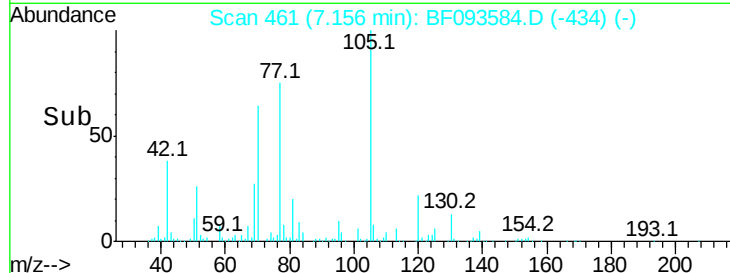
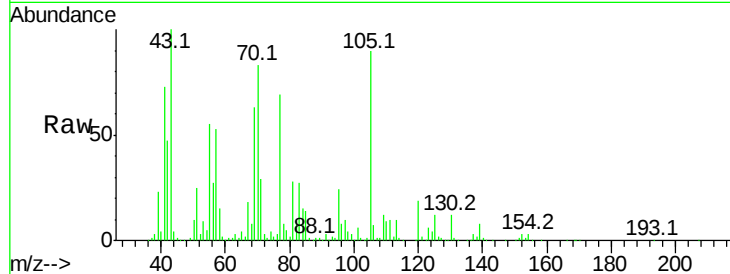
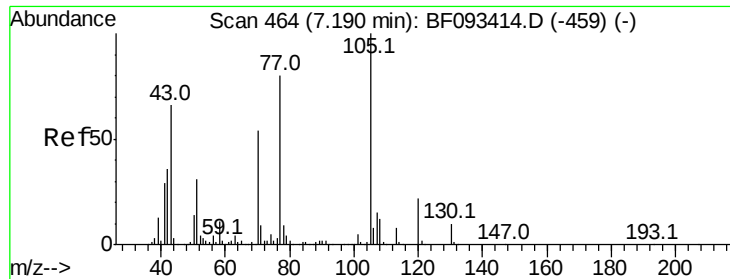
119 94.9 78.1 117.1

201 109.4 78.6 117.8



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





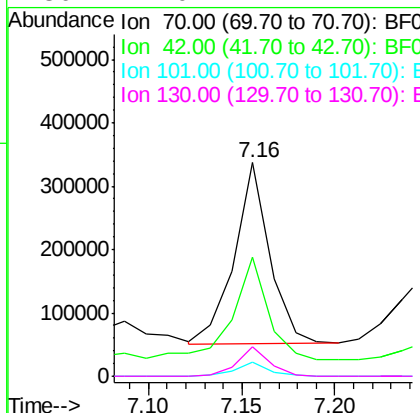
#19
n-Nitroso-di-n-propylamine
Concen: 48.60 ng
RT: 7.16 min Scan# 461
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	55.8	49.4	74.0
101	6.9	7.4	11.2#
130	14.0	14.2	21.4#

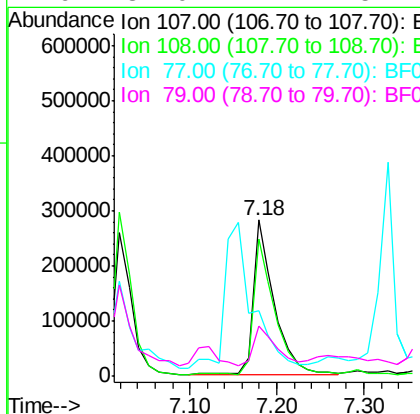
Manual Integrations
APPROVED

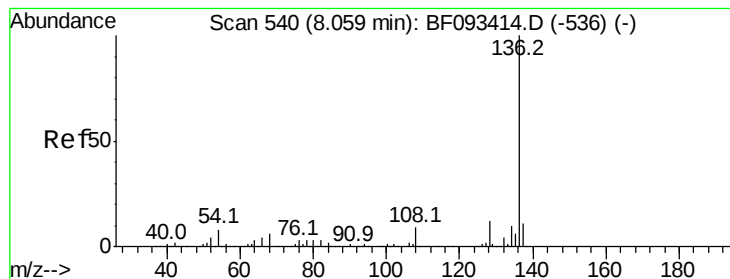
mohammad
3/15/2017 5:34:13 PM



#20
3+4-Methylphenols
Concen: 42.02 ng
RT: 7.18 min Scan# 463
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.1	73.0	113.0
77	41.7	71.3	111.3#
79	32.0	11.1	51.1





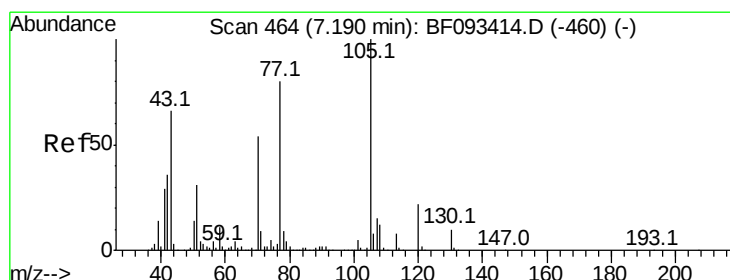
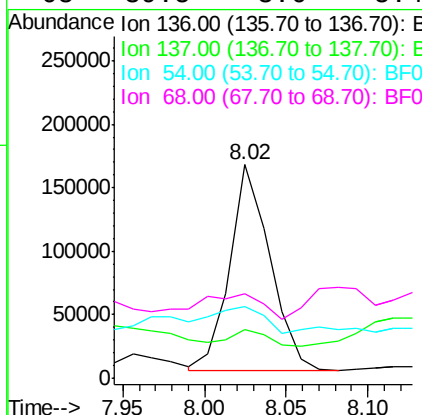
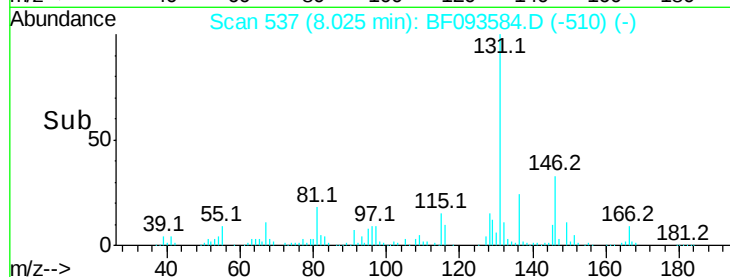
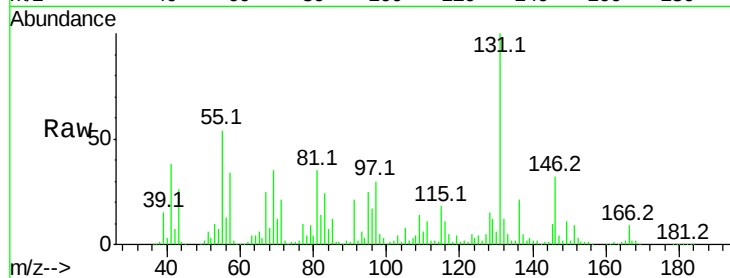
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 537
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	22.8	8.4	12.6#	
54	33.8	4.5	6.7#	
68	39.5	3.6	5.4#	

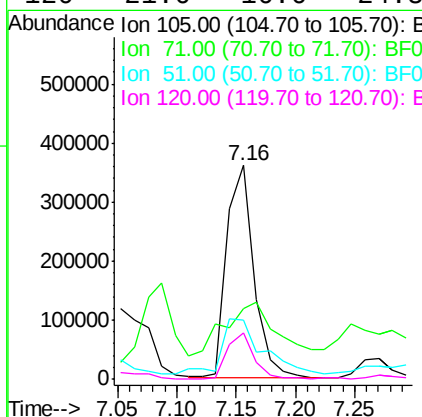
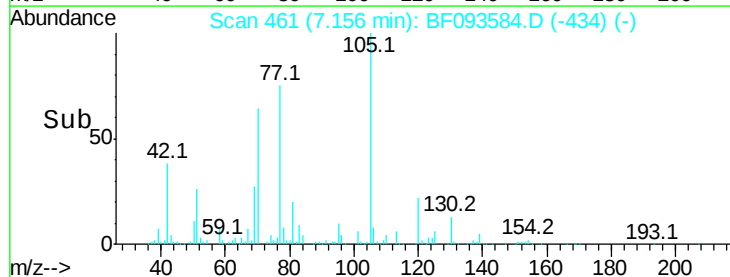
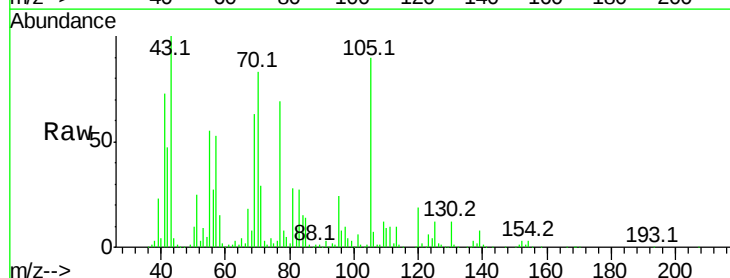
Manual Integrations
APPROVED

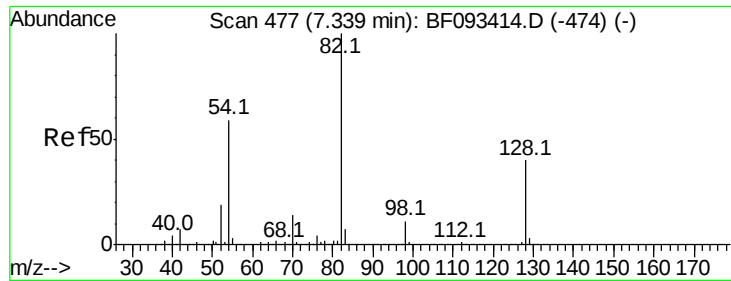
mohammad
3/15/2017 5:34:13 PM



#22
Acetophenone
Concen: 86.14 ng
RT: 7.16 min Scan# 461
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	32.7	3.2	4.8#	
51	27.8	26.2	39.4	
120	21.6	16.6	24.8	





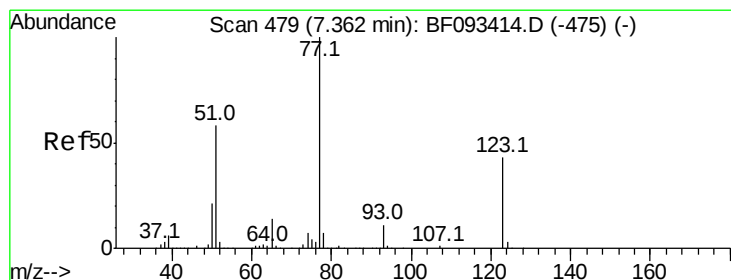
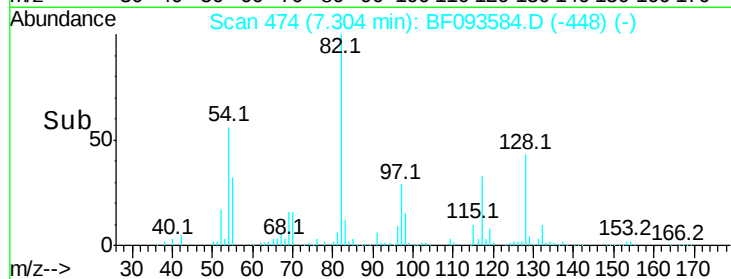
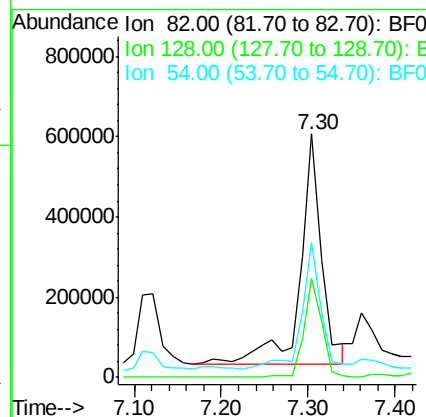
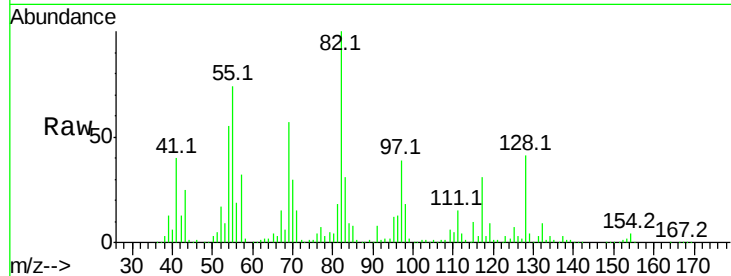
#23
 Nitrobenzene-d5
 Concen: 197.97 ng
 RT: 7.30 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	34.6	52.0
54	55.3	39.5	59.3

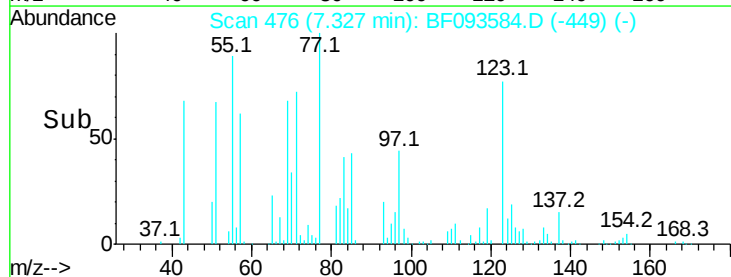
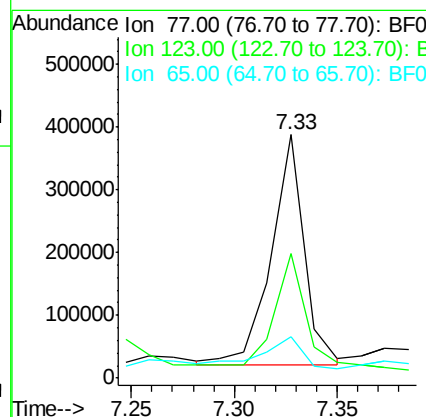
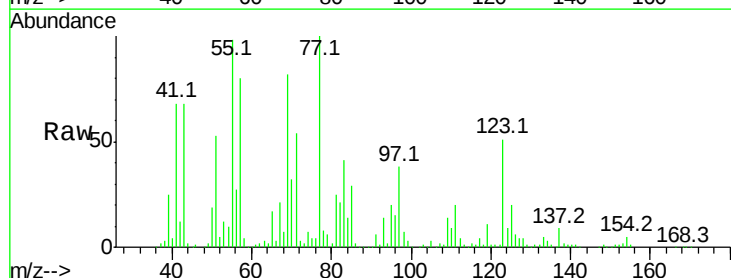
Manual Integrations
 APPROVED

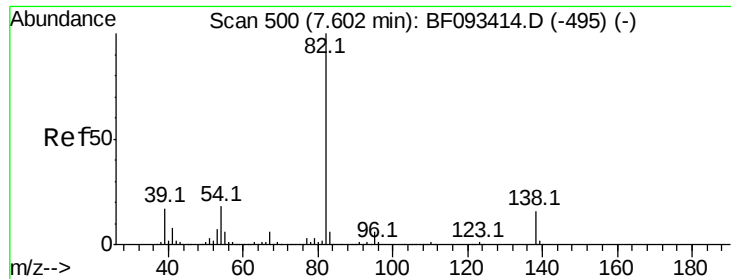
mohammad
 3/15/2017 5:34:13 PM



#24
 Nitrobenzene
 Concen: 73.27 ng m
 RT: 7.33 min Scan# 476
 Delta R.T. 0.01 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.9	33.0	49.4#
65	16.9	11.2	16.8#





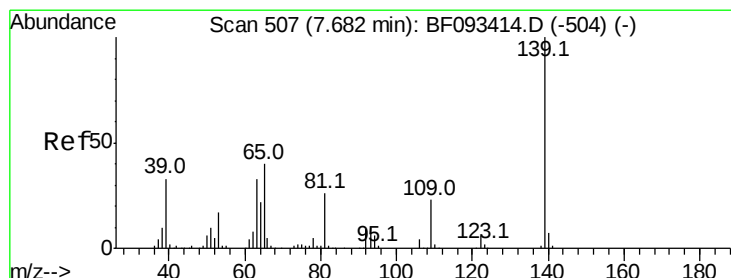
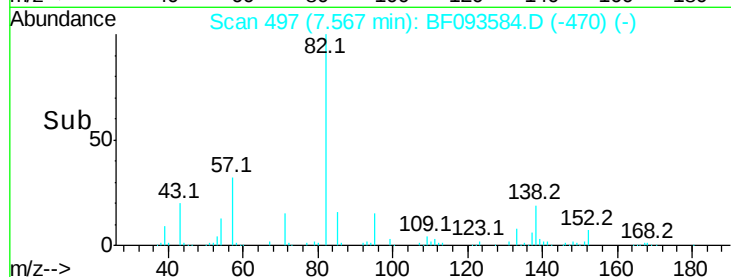
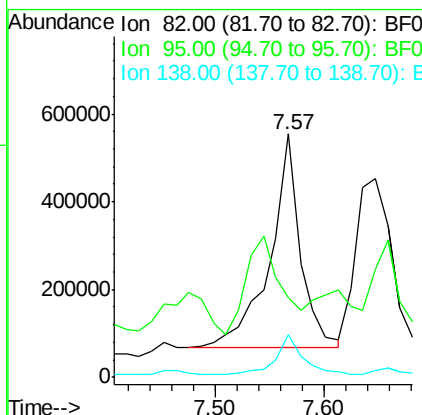
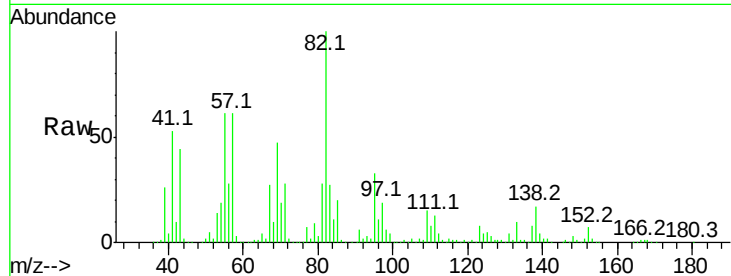
#25
Isophorone
Concen: 93.94 ng
RT: 7.57 min Scan# 497
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	33.0	5.6	8.4#	
138	17.5	14.6	22.0	

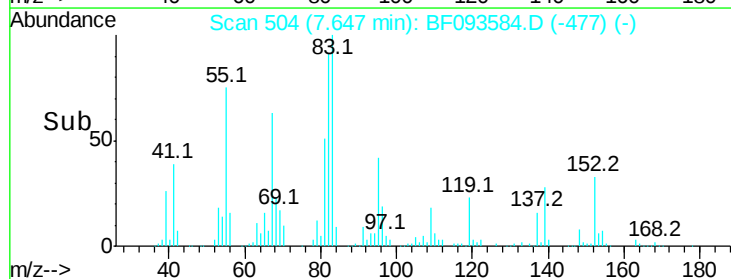
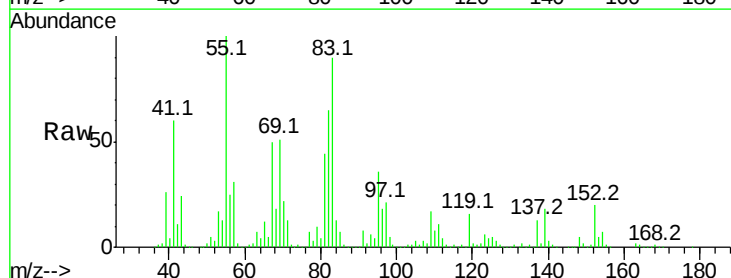
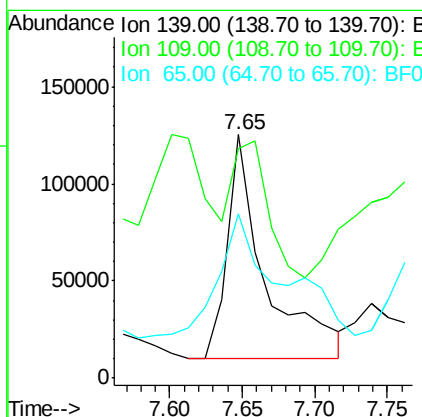
Manual Integrations
APPROVED

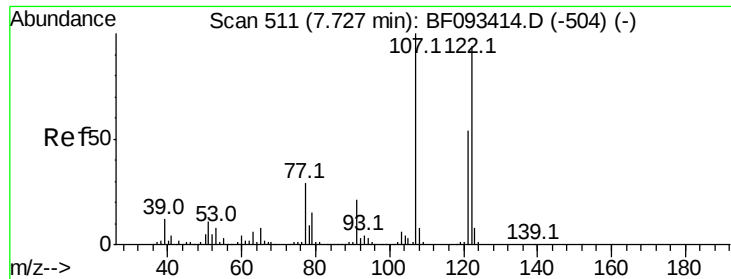
mohammad
3/15/2017 5:34:13 PM



#26
2-Nitrophenol
Concen: 81.67 ng
RT: 7.65 min Scan# 504
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	94.2	23.3	34.9#	
65	67.4	42.7	64.1#	





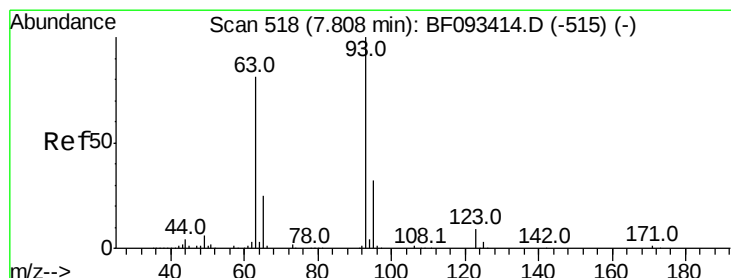
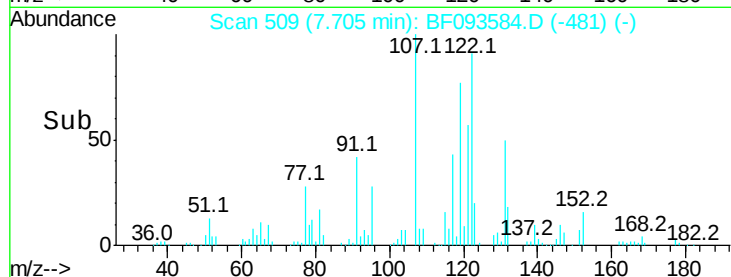
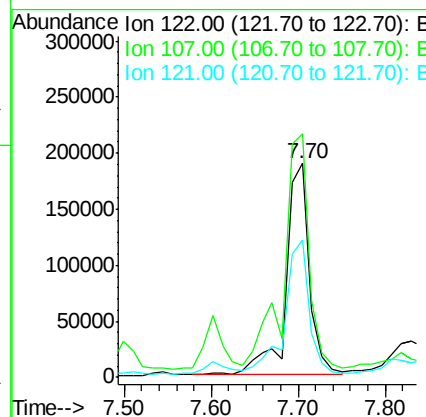
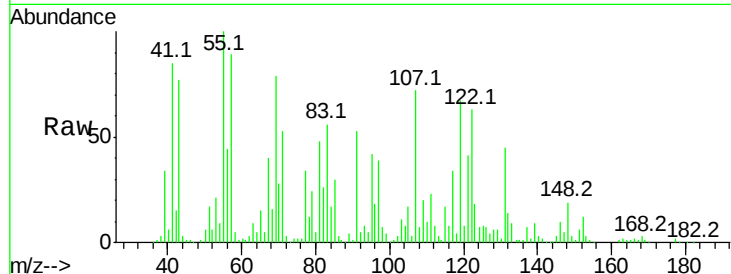
#27
2,4-Dimethylphenol
Concen: 84.54 ng
RT: 7.70 min Scan# 509
Delta R.T. 0.02 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	352501		
107	113.8	94.1	141.1	
121	64.1	46.0	69.0	

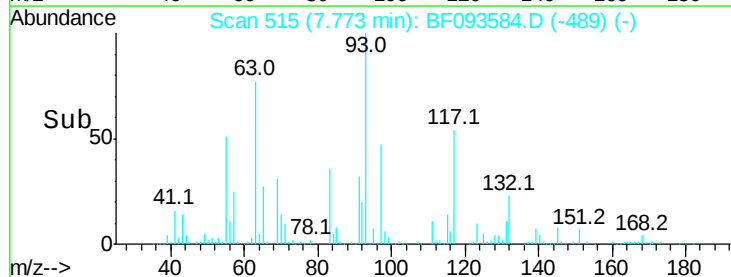
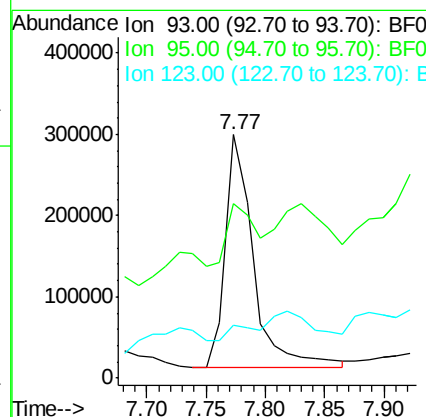
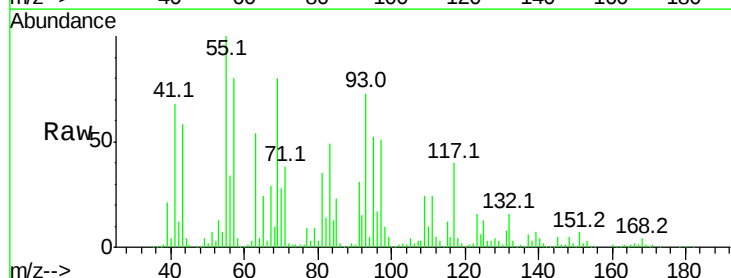
Manual Integrations
APPROVED

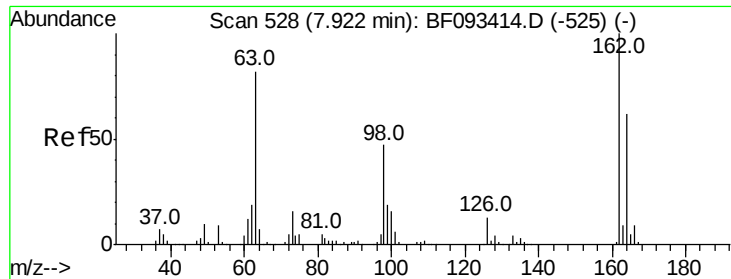
mohammad
3/15/2017 5:34:13 PM



#28
bis(2-Chloroethoxy)methane
Concen: 73.04 ng
RT: 7.77 min Scan# 515
Delta R.T. -0.00 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	464799		
95	71.9	26.5	39.7#	
123	21.7	8.6	13.0#	





#29

2,4-Dichlorophenol

Concen: 134.57 ng

RT: 7.91 min Scan# 527

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

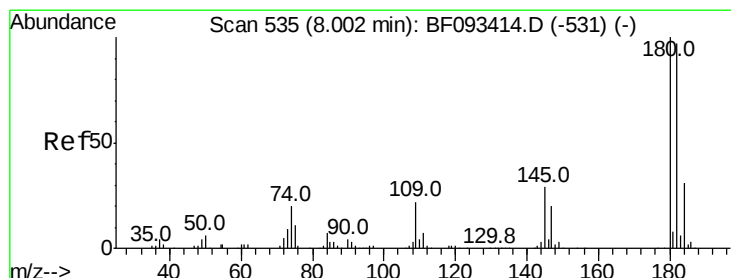
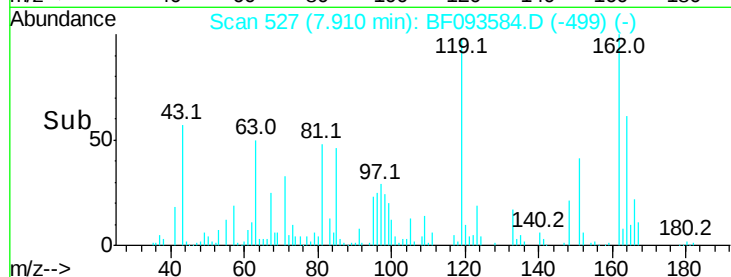
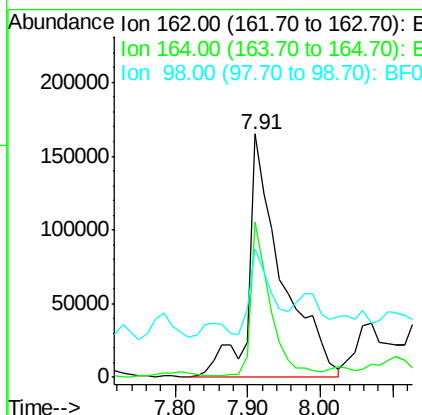
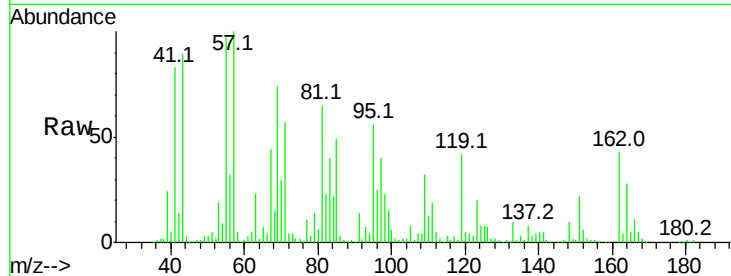
ClientSampleId :

HY-SB419AMSD

Tot Ion:	162	Resp:	527907
Ion Ratio	Lower	Upper	
162	100		
164	64.0	46.8	86.8
98	52.9	9.1	49.1#

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#30

1,2,4-Trichlorobenzene

Concen: 69.26 ng

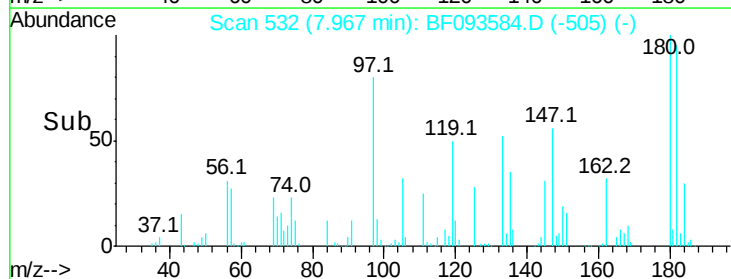
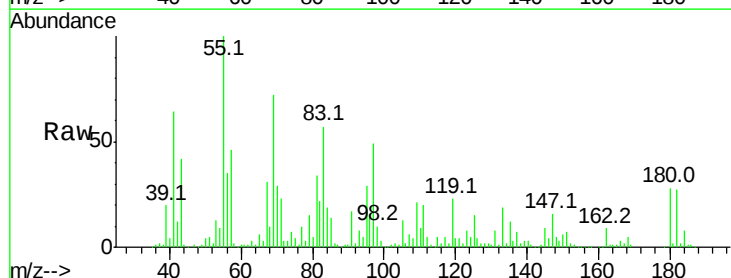
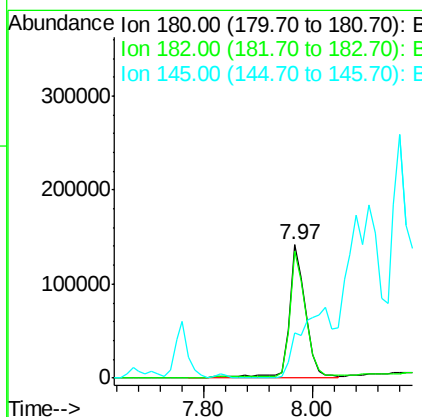
RT: 7.97 min Scan# 532

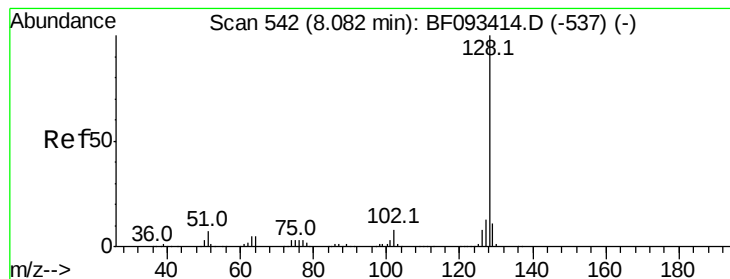
Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:	180	Resp:	288924
Ion Ratio	Lower	Upper	
180	100		
182	95.1	78.2	117.4
145	33.7	21.6	32.4#





#31

Naphthalene

Concen: 81.89 ng

RT: 8.05 min Scan# 539

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

Tot Ion:128 Resp: 1138159

Ion Ratio Lower Upper

128 100

129 22.1 9.5 14.3#

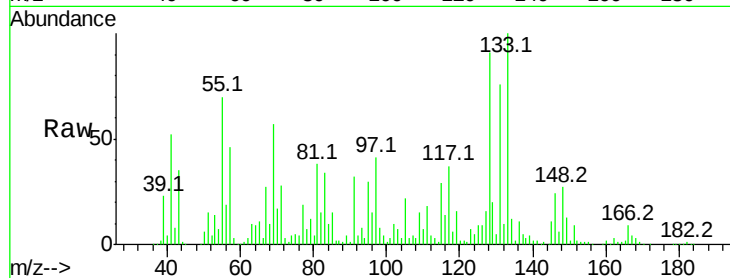
127 17.2 10.8 16.2#

Manual Integrations

APPROVED

mohammad

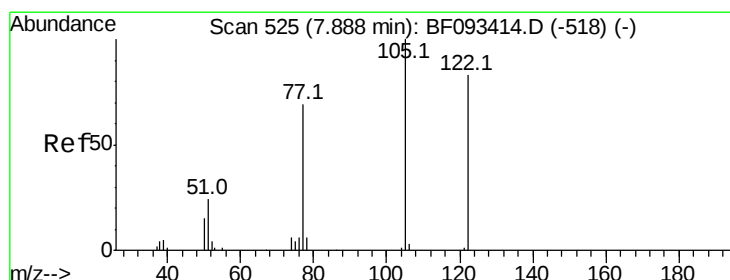
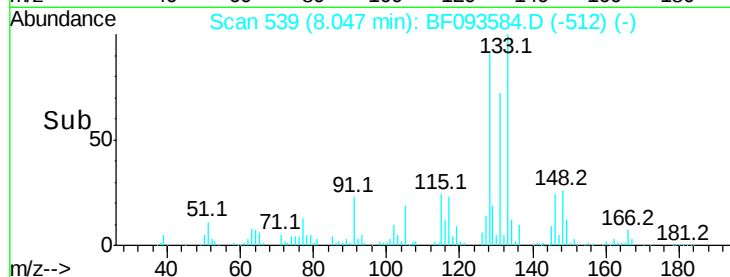
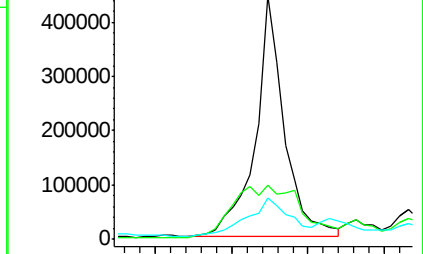
3/15/2017 5:34:13 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 52.22 ng

RT: 7.83 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

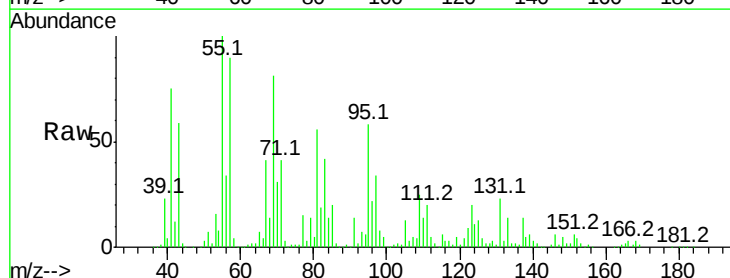
Tgt Ion:122 Resp: 113153

Ion Ratio Lower Upper

122 100

105 150.6 107.2 147.2#

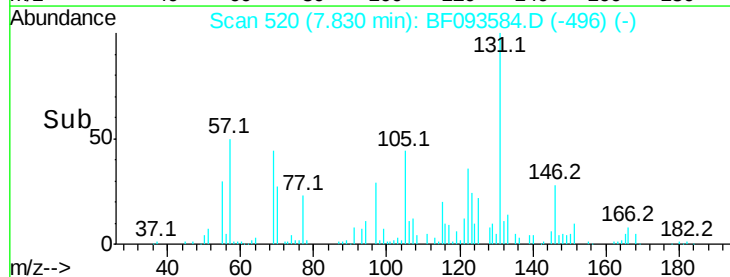
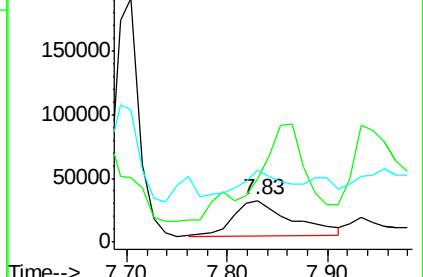
77 172.3 74.5 114.5#

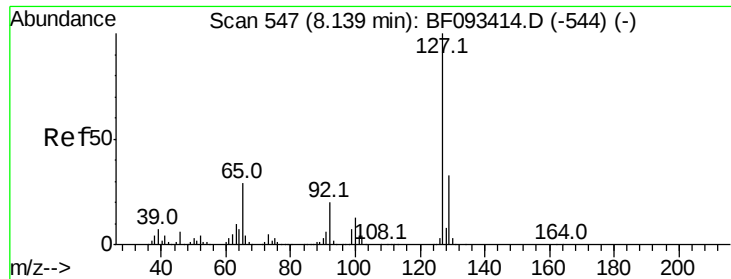


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





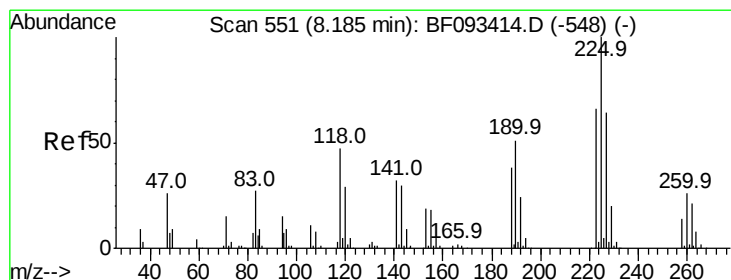
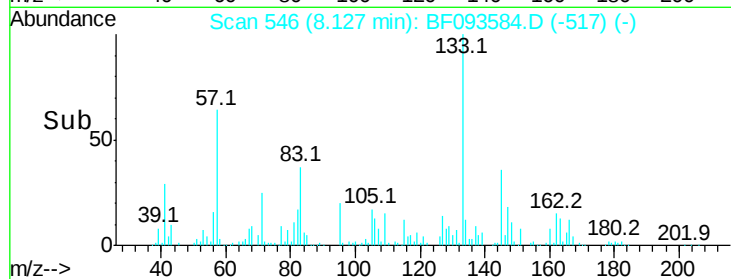
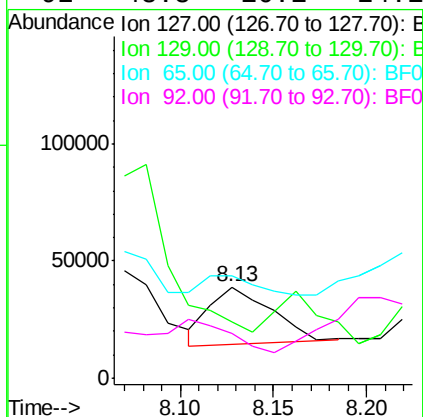
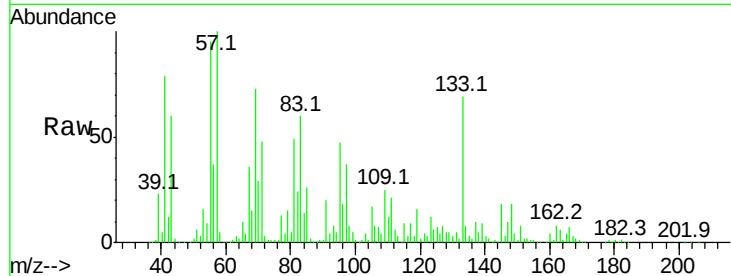
#33
4-Chloroaniline
Concen: 9.97 ng
RT: 8.13 min Scan# 546
Delta R.T. 0.03 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	61.9	26.3	39.5#
65	112.6	25.8	38.8#
92	48.8	16.1	24.1#

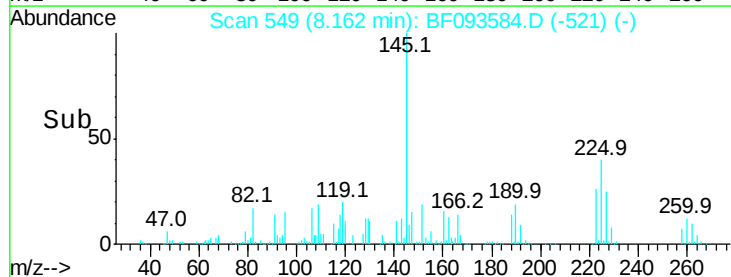
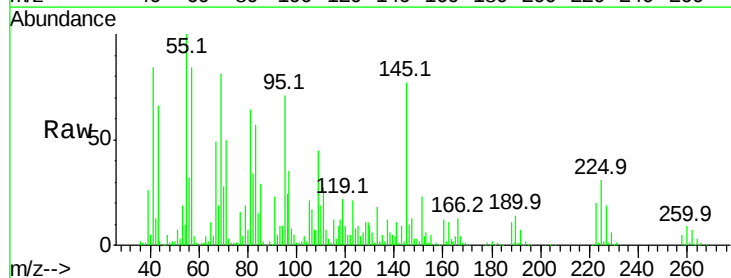
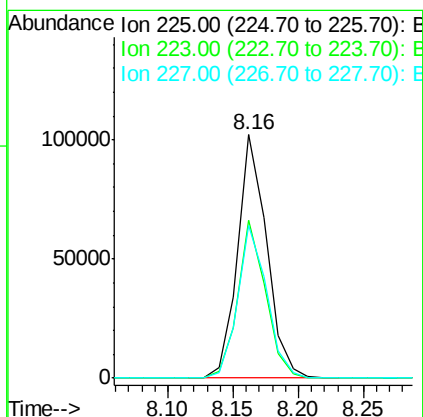
Manual Integrations
APPROVED

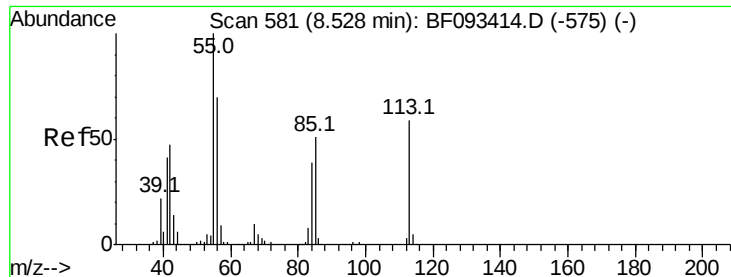
mohammad
3/15/2017 5:34:13 PM



#34
Hexachlorobutadiene
Concen: 73.57 ng
RT: 8.16 min Scan# 549
Delta R.T. 0.02 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	51.0	76.6
227	62.8	50.6	76.0





#35

Caprolactam

Concen: 263.52 ng

RT: 8.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

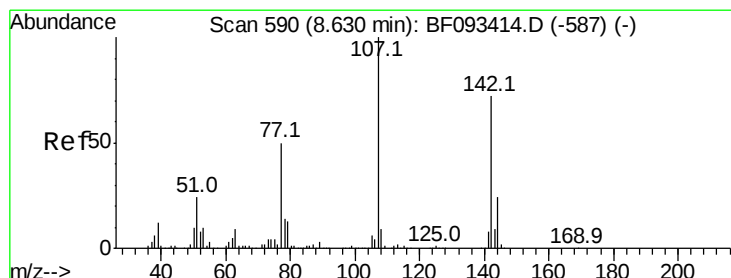
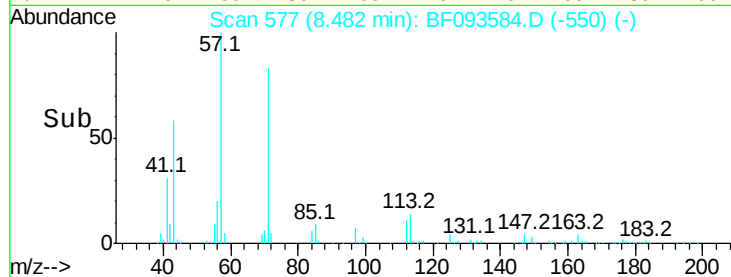
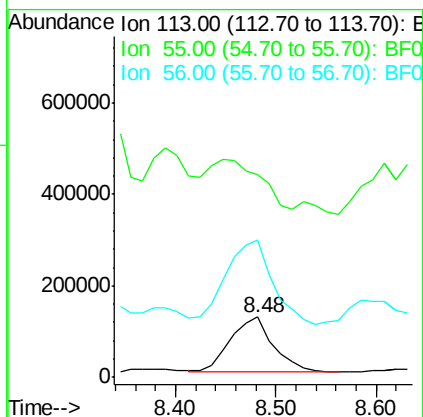
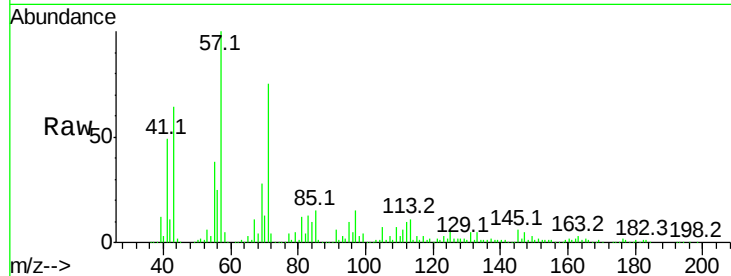
ClientSampleId :

HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	336.3	119.2	159.2#
56	228.1	83.8	123.8#

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#36

4-Chloro-3-methylphenol

Concen: 55.75 ng

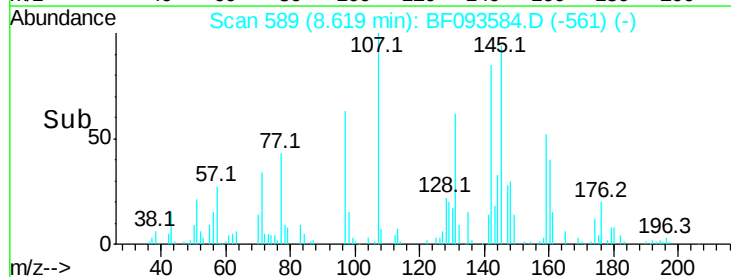
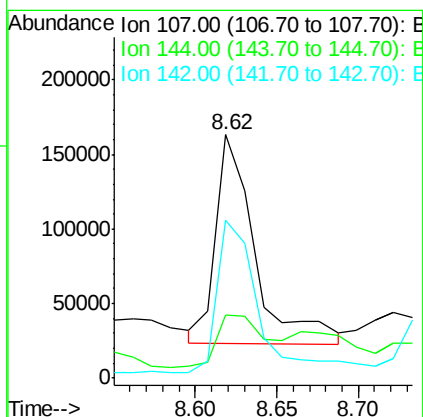
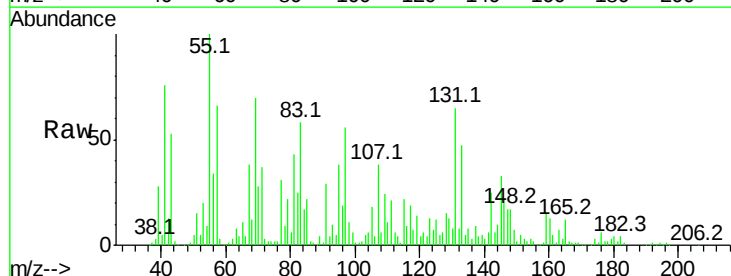
RT: 8.62 min Scan# 589

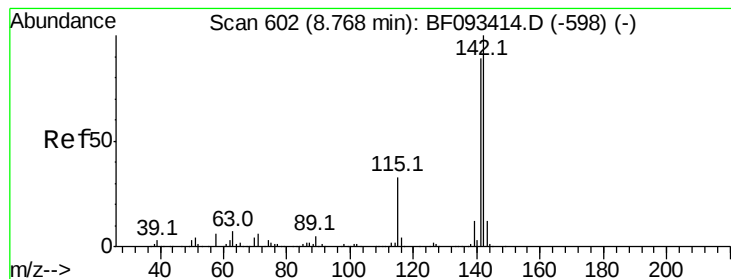
Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.9	19.3	28.9
142	65.0	59.0	88.6





#37

2-Methylnaphthalene

Concen: 55.97 ng

RT: 8.76 min Scan# 601

Delta R.T. 0.03 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

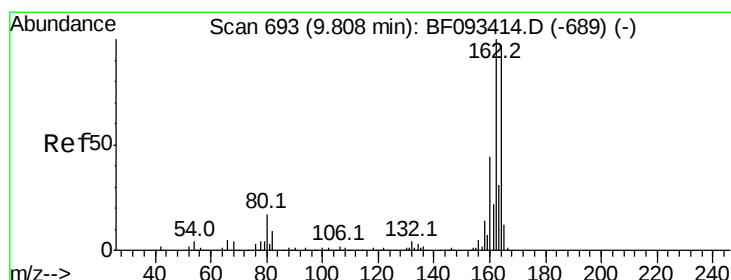
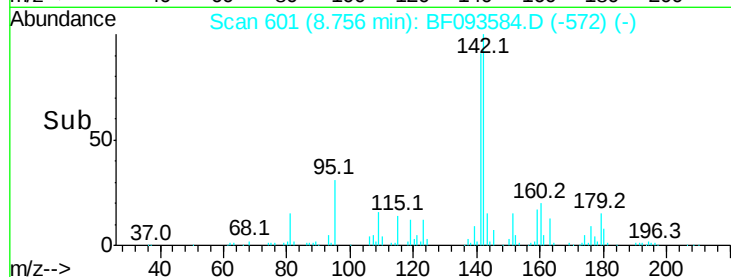
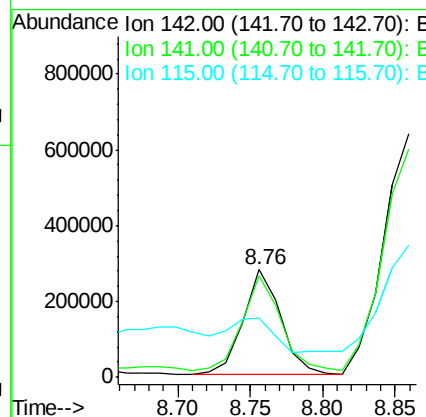
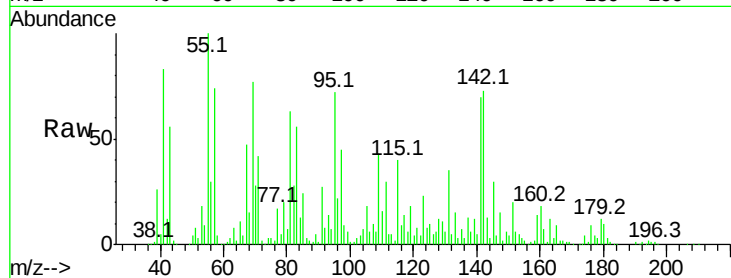
ClientSampleId :

HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.9	71.0	106.6
115	54.6	28.3	42.5

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

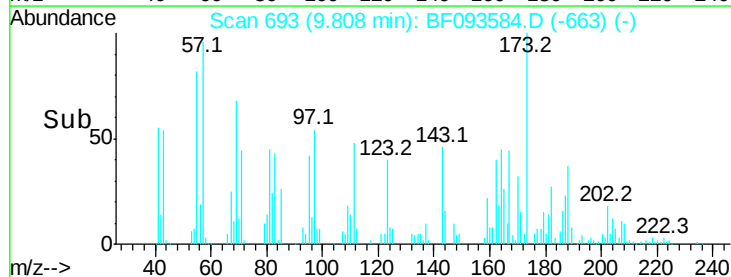
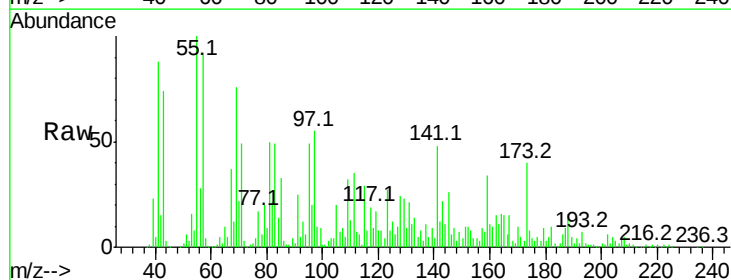
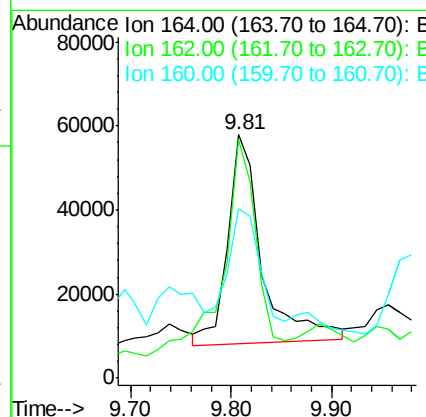
RT: 9.81 min Scan# 693

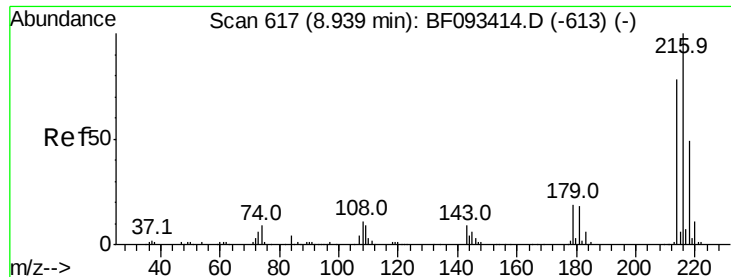
Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.2	120.2
160	69.8	36.9	55.3





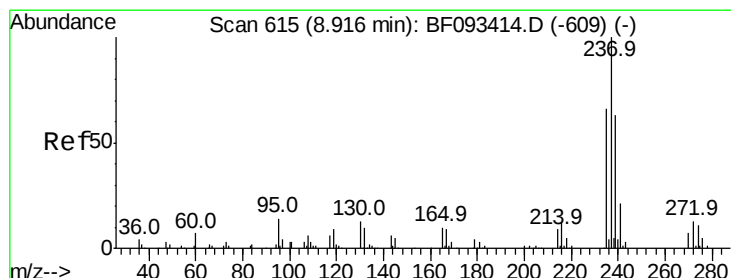
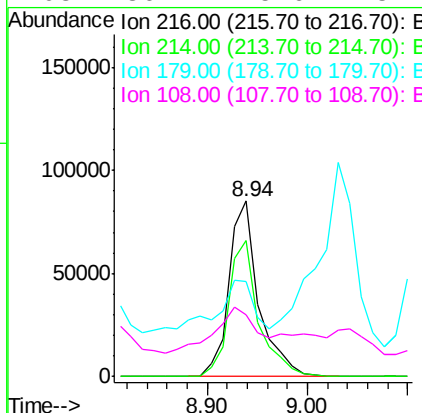
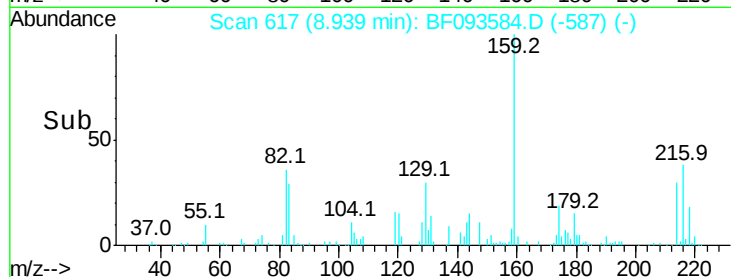
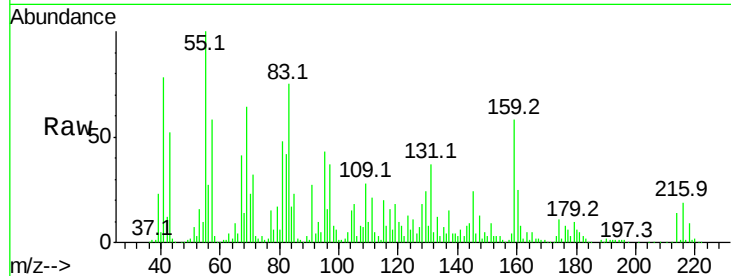
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 53.76 ng
 RT: 8.94 min Scan# 617
 Delta R.T. 0.05 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	174501		
214	77.6	63.4	95.0	
179	36.6	17.4	26.2#	
108	36.7	15.6	23.4#	

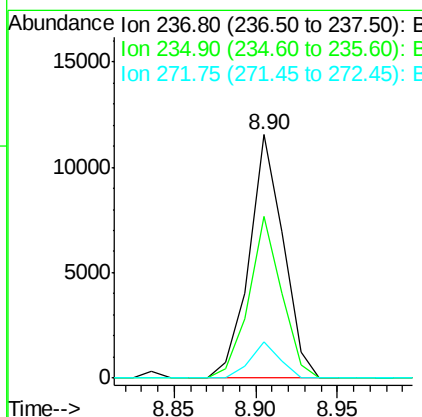
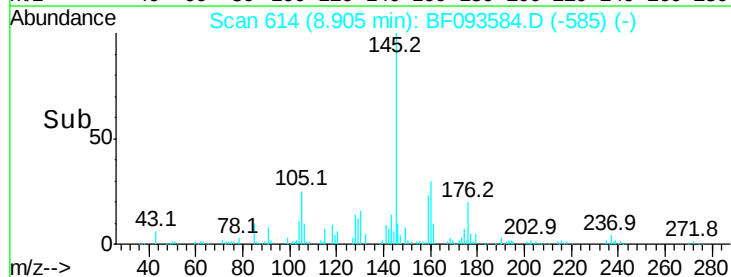
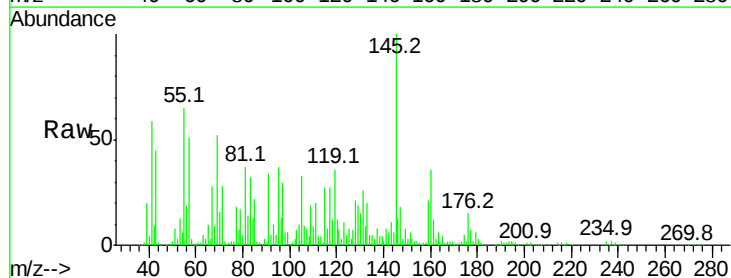
Manual Integrations
 APPROVED

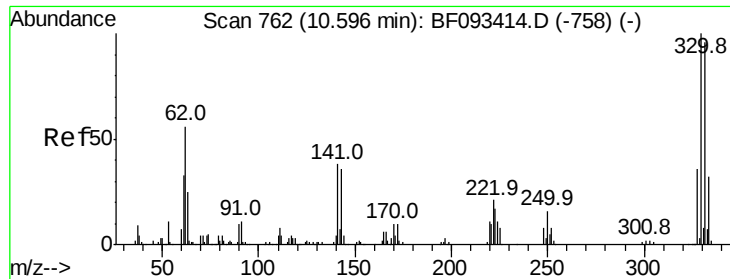
mohammad
 3/15/2017 5:34:13 PM



#40
 Hexachlorocyclopentadiene
 Concen: 29.51 ng
 RT: 8.90 min Scan# 614
 Delta R.T. 0.03 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	16809		
235	66.3	41.2	81.2	
272	15.0	0.0	35.4	





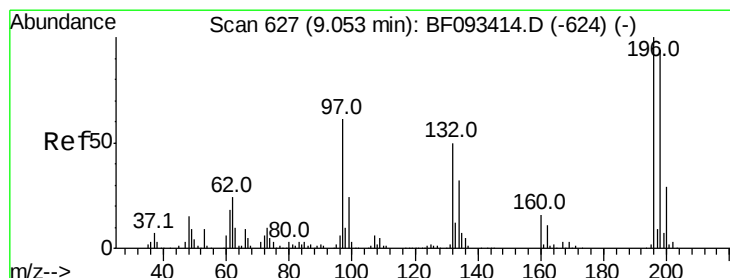
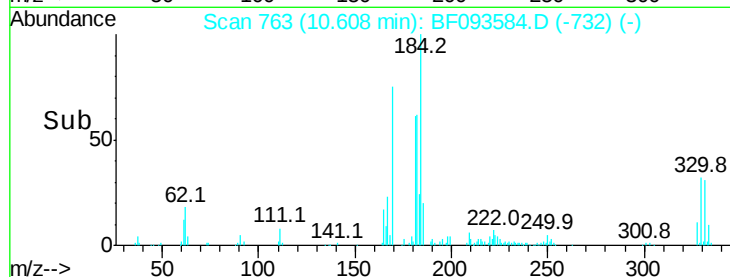
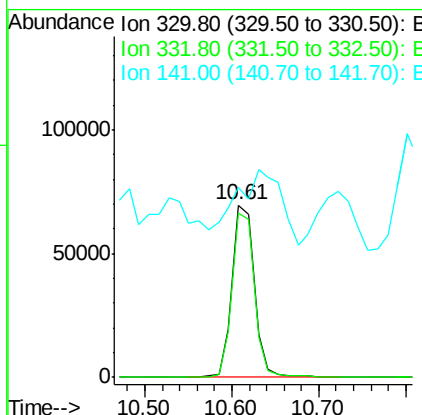
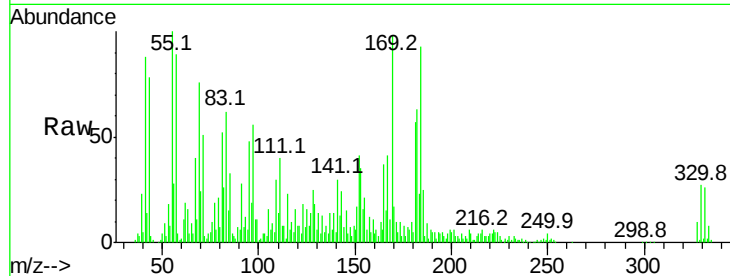
#41
 2,4,6-Tribromophenol
 Concen: 159.66 ng
 RT: 10.61 min Scan# 763
 Delta R.T. 0.06 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	77.4	116.2	
141	0.0	34.1	51.1#	

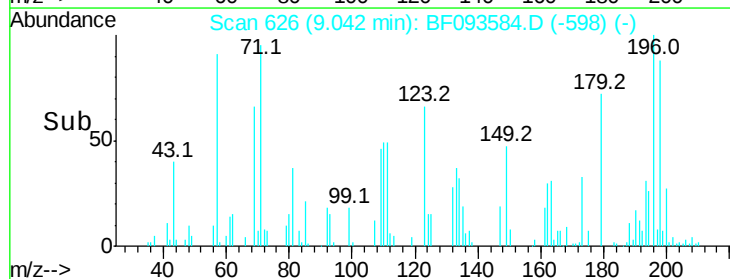
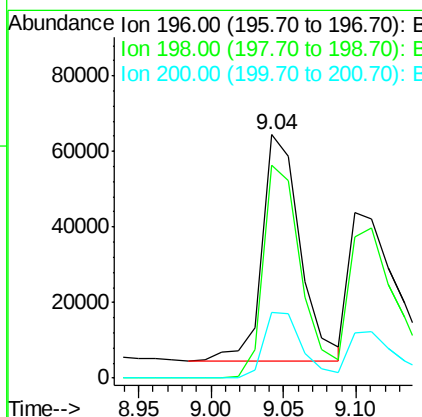
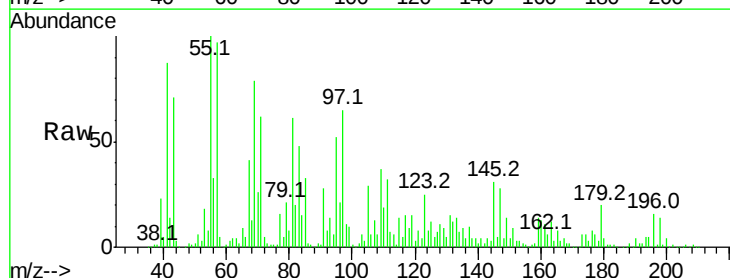
Manual Integrations
 APPROVED

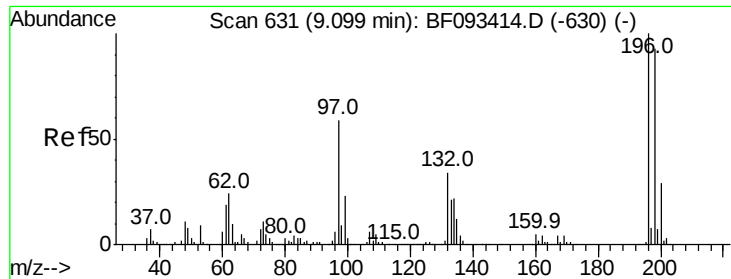
mohammad
 3/15/2017 5:34:13 PM



#42
 2,4,6-Trichlorophenol
 Concen: 54.09 ng
 RT: 9.04 min Scan# 626
 Delta R.T. 0.02 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	87.5	82.1	123.1	
200	27.2	27.0	40.4	





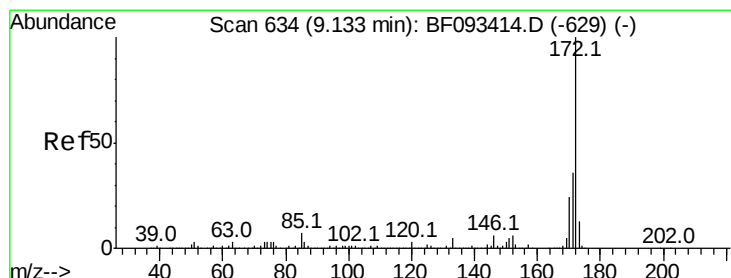
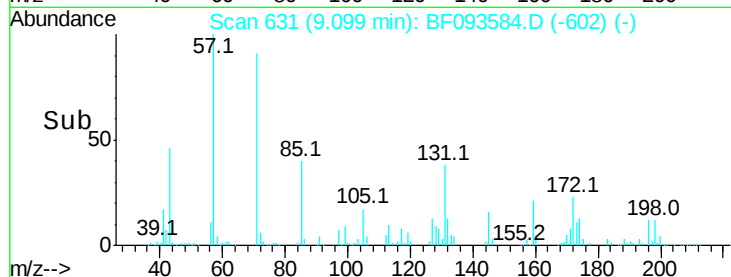
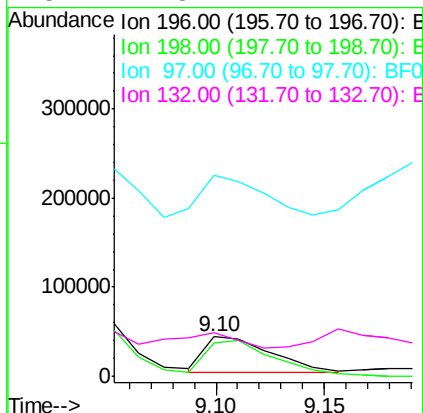
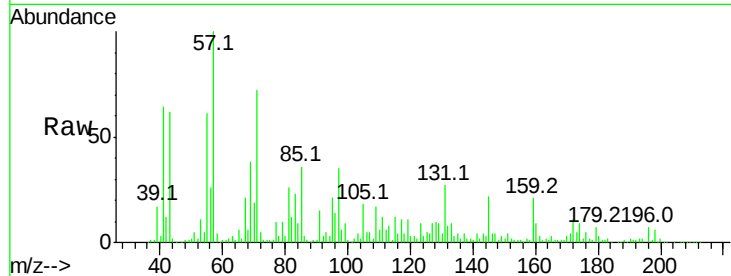
#43
2,4,5-Trichlorophenol
Concen: 40.30 ng
RT: 9.10 min Scan# 631
Delta R.T. 0.03 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	85.0	79.4	119.2
97	513.9	51.5	77.3#
132	112.3	27.4	41.2#

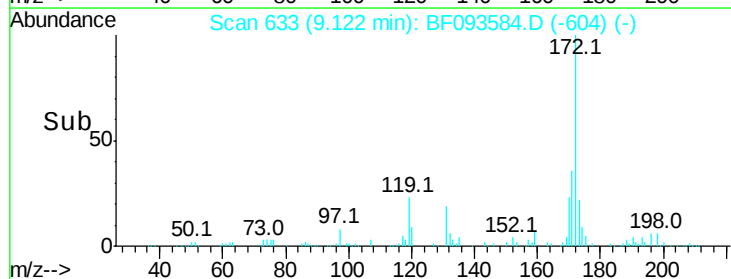
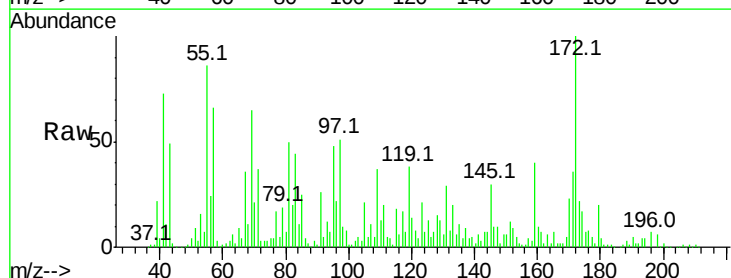
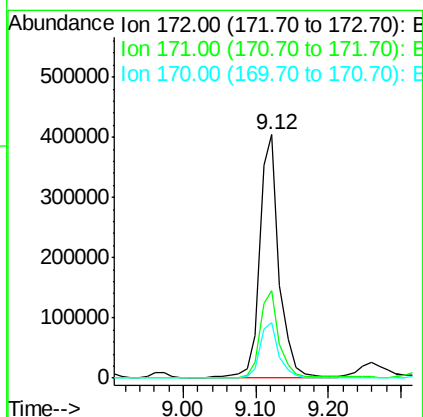
Manual Integrations
APPROVED

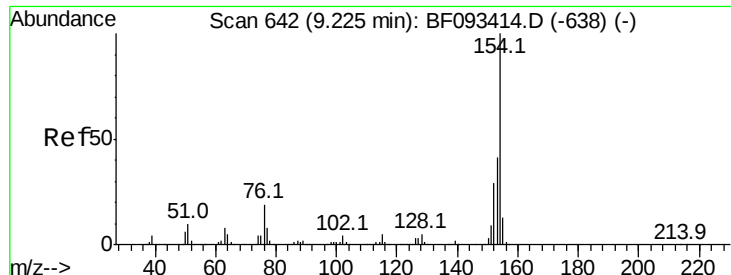
mohammad
3/15/2017 5:34:13 PM



#44
2-Fluorobiphenyl
Concen: 118.41 ng
RT: 9.12 min Scan# 633
Delta R.T. 0.03 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	22.9	20.2	30.4





#45

1,1'-Biphenyl

Concen: 50.25 ng

RT: 9.22 min Scan# 642

Delta R.T. 0.03 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

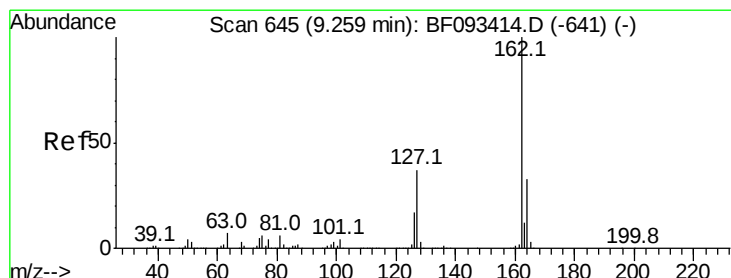
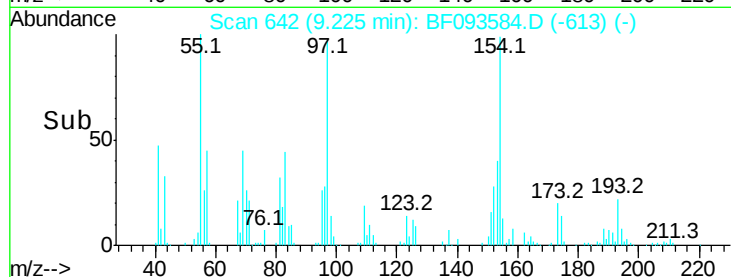
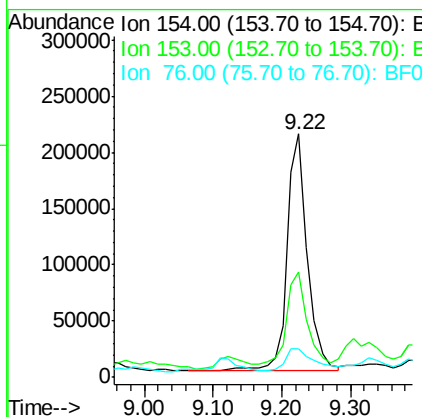
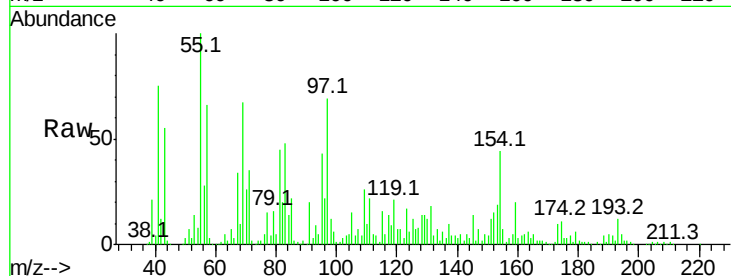
ClientSampleId :

HY-SB419AMSD

Tot Ion:	154	Resp:	435143
Ion Ratio	Lower	Upper	
154	100		
153	43.2	20.9	60.9
76	12.0	0.0	30.5

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#46

2-Chloronaphthalene

Concen: 56.81 ng

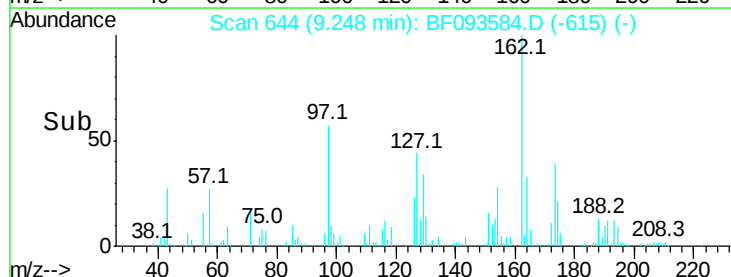
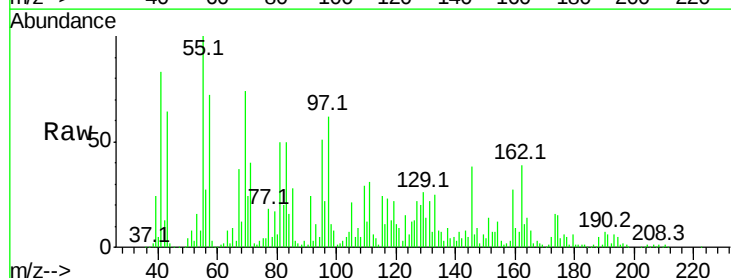
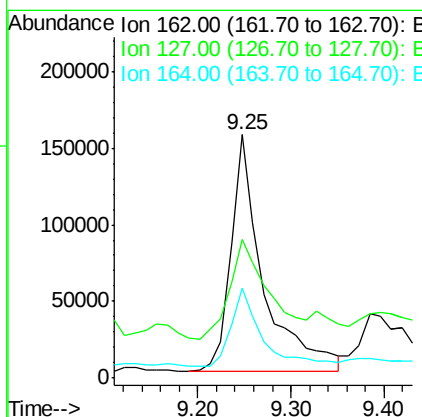
RT: 9.25 min Scan# 644

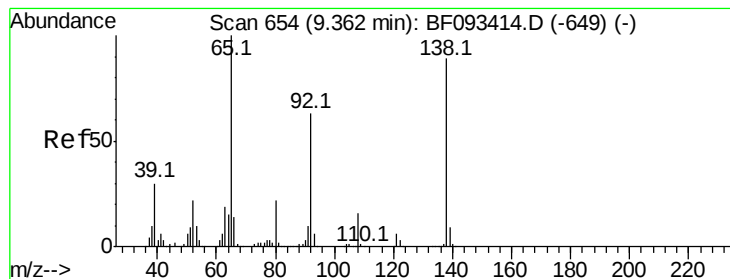
Delta R.T. 0.03 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:	162	Resp:	376556
Ion Ratio	Lower	Upper	
162	100		
127	57.2	30.7	46.1#
164	36.9	27.6	41.4





#47

2-Nitroaniline

Concen: 44.69 ng

RT: 9.35 min Scan# 653

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

Tot Ion: 65 Resp: 104709

Ion Ratio Lower Upper

65 100

92 111.0 53.9 80.9#

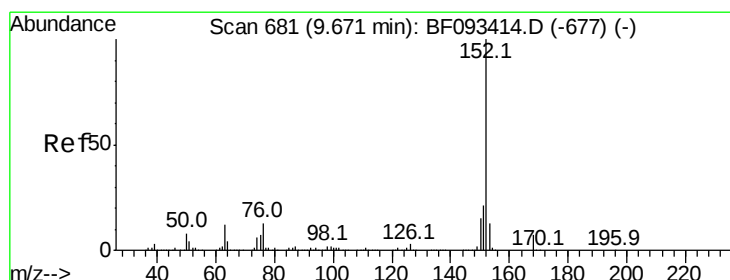
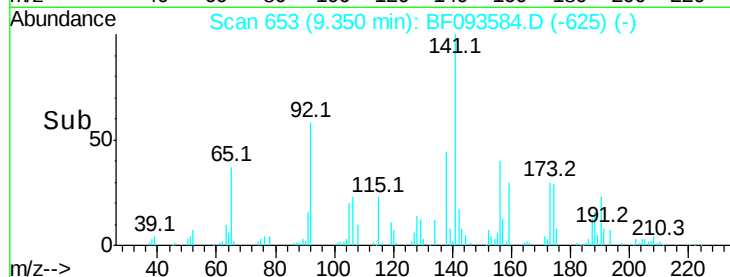
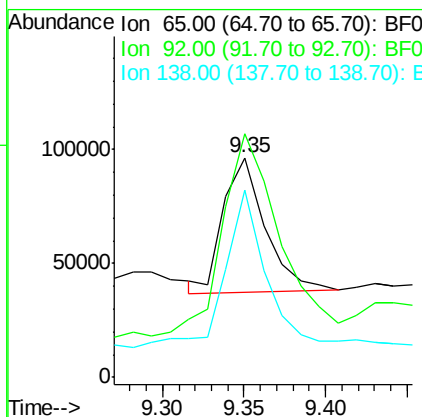
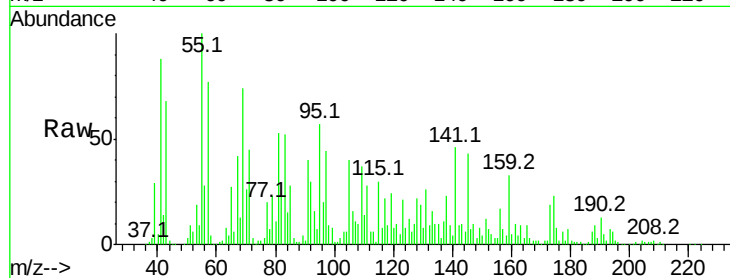
138 85.6 76.8 115.2

Manual Integrations

APPROVED

mohammad

3/15/2017 5:34:13 PM



#48

Acenaphthylene

Concen: 41.11 ng

RT: 9.67 min Scan# 681

Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

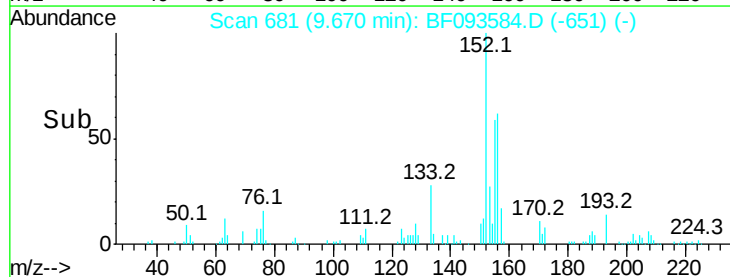
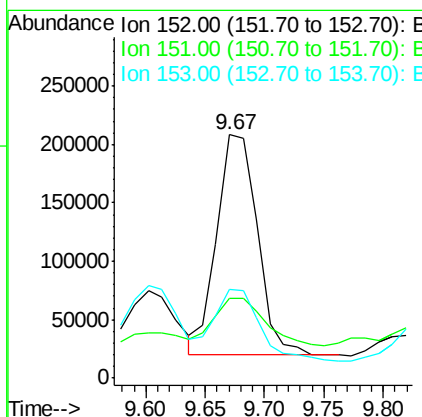
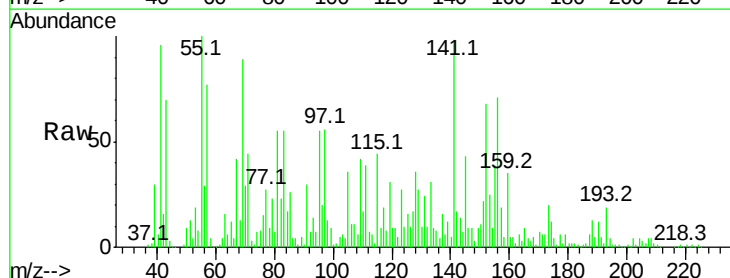
Tgt Ion: 152 Resp: 449404

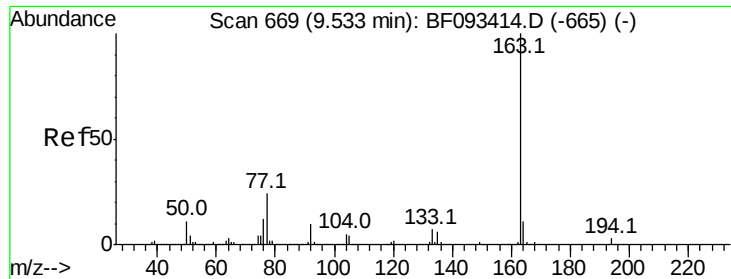
Ion Ratio Lower Upper

152 100

151 32.6 16.9 25.3#

153 36.6 11.4 17.2#





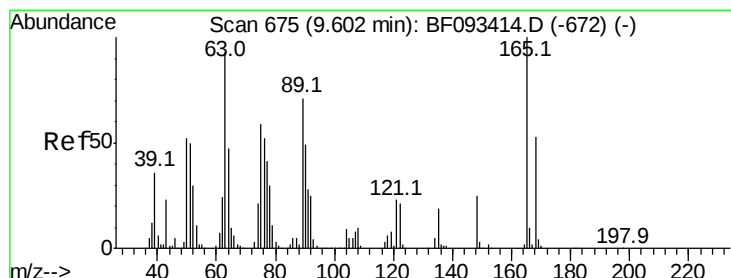
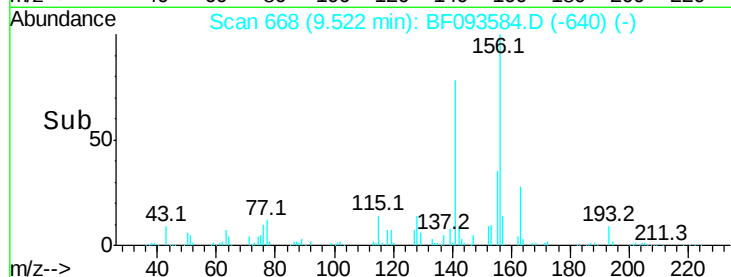
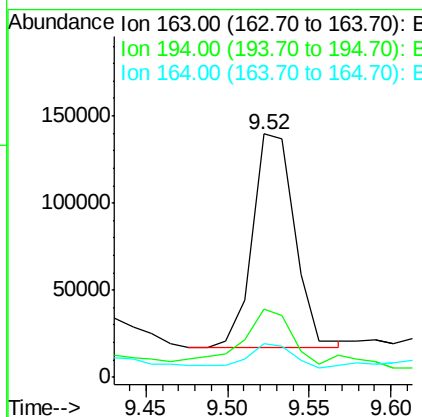
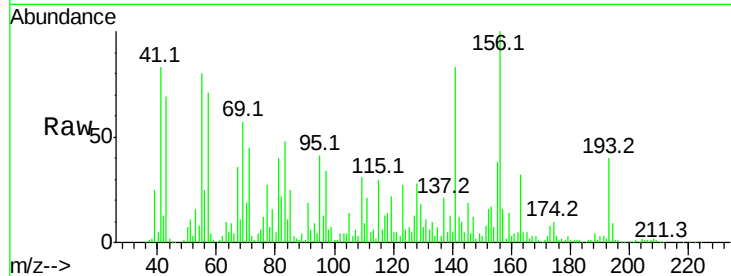
#49
Dimethylphthalate
Concen: 27.97 ng
RT: 9.52 min Scan# 668
Delta R.T. 0.02 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	220417		
194	27.8	3.0	4.4#	
164	14.1	8.0	12.0#	

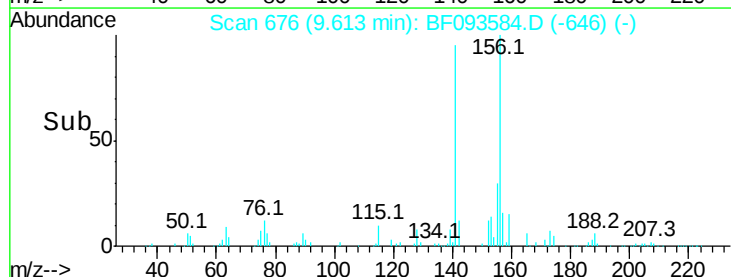
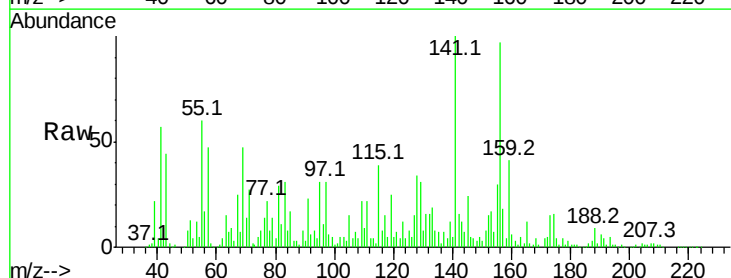
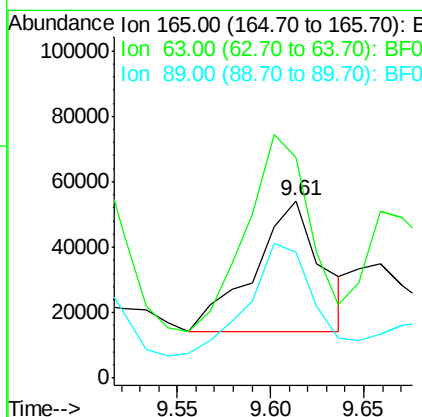
Manual Integrations
APPROVED

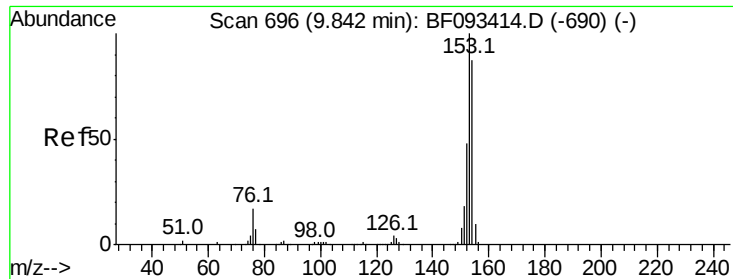
mohammad
3/15/2017 5:34:13 PM



#50
2,6-Dinitrotoluene
Concen: 57.44 ng
RT: 9.61 min Scan# 676
Delta R.T. 0.05 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	99325		
63	124.0	36.2	54.4#	
89	70.8	40.2	60.4#	





#51

Acenaphthene

Concen: 66.04 ng

RT: 9.84 min Scan# 696

Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

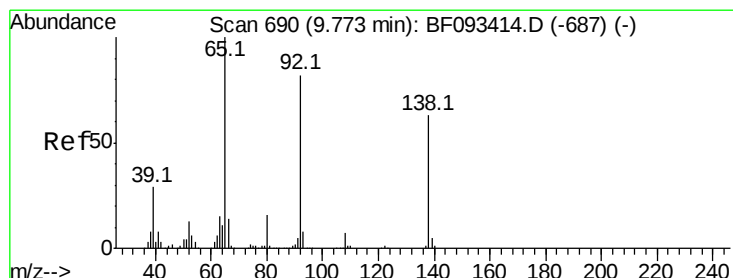
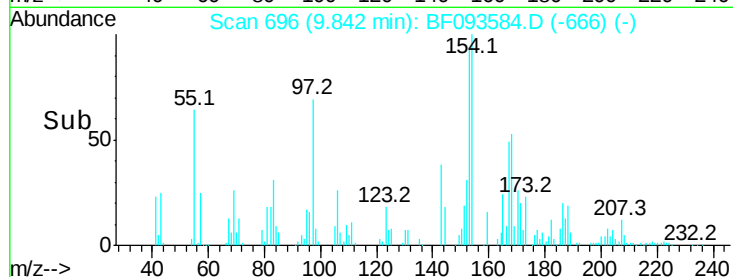
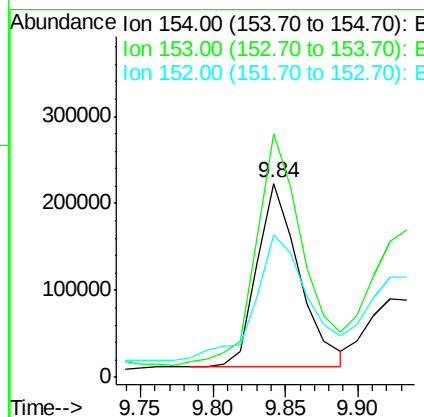
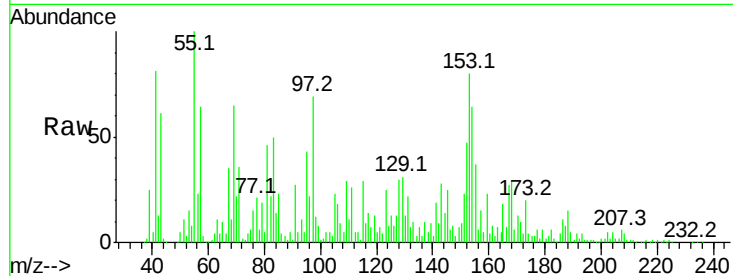
ClientSampleId :

HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	125.7	88.6	133.0
152	73.3	41.6	62.4

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#52

3-Nitroaniline

Concen: 44.95 ng

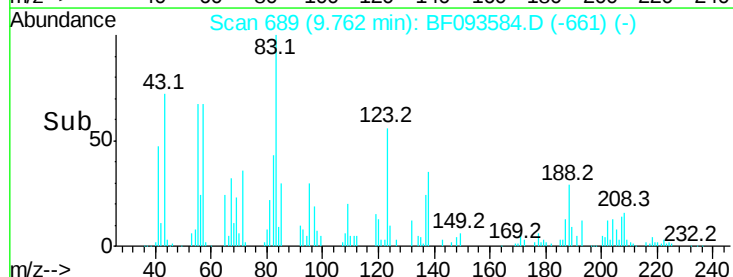
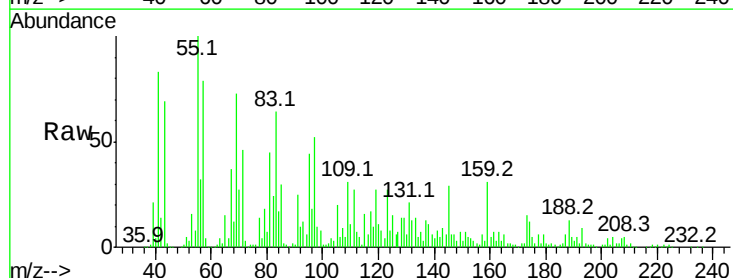
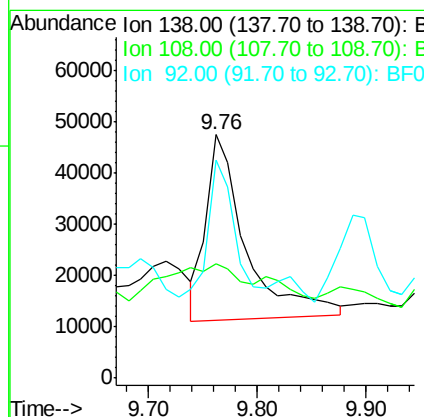
RT: 9.76 min Scan# 689

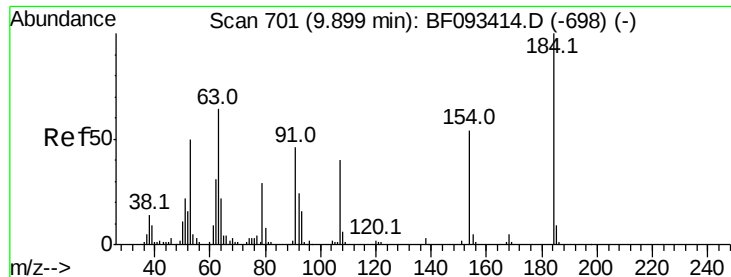
Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
138	100		
108	46.8	8.5	12.7
92	89.4	97.8	146.8





#53

2,4-Dinitrophenol

Concen: 2.84 ng

RT: 9.86 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

Tot Ion:184 Resp: 2236

Ion Ratio Lower Upper

184 100

63 1824.5 28.4 42.6

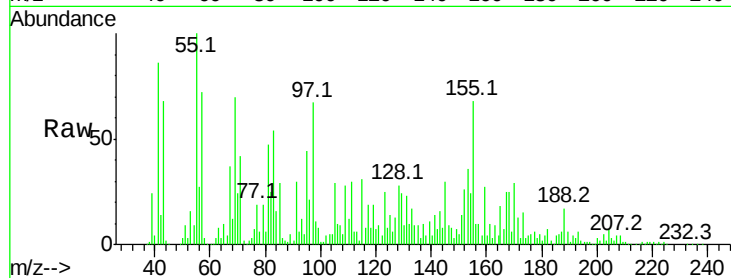
154 5384.2 44.3 66.5

Manual Integrations

APPROVED

mohammad

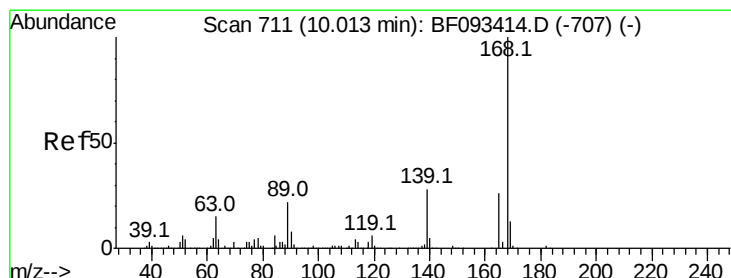
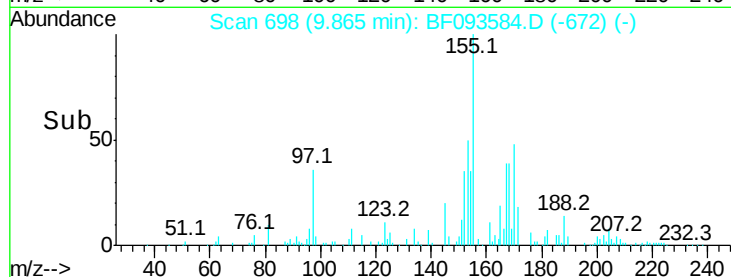
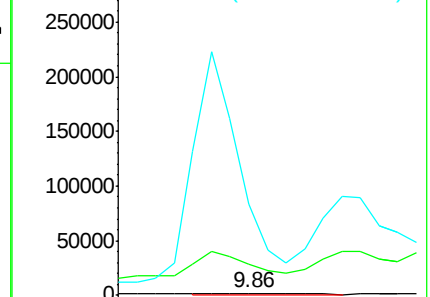
3/15/2017 5:34:13 PM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 59.73 ng

RT: 10.02 min Scan# 712

Delta R.T. 0.06 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

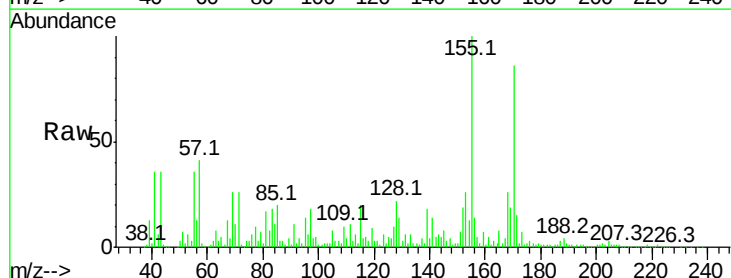
Tgt Ion:168 Resp: 483246

Ion Ratio Lower Upper

168 100

139 67.4 32.6 49.0#

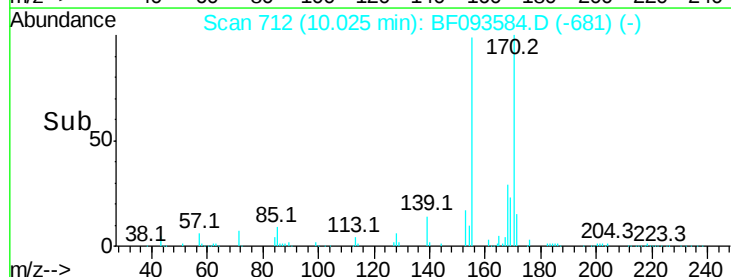
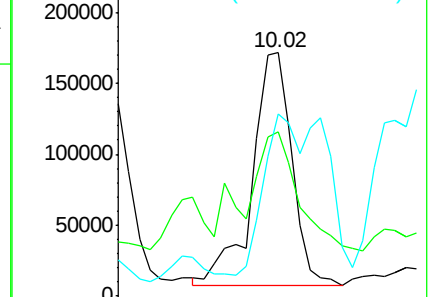
169 74.7 11.3 16.9#

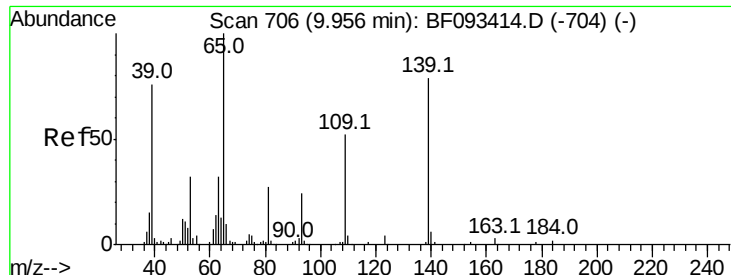


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 374.03 ng

RT: 10.02 min Scan# 712

Delta R.T. 0.09 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

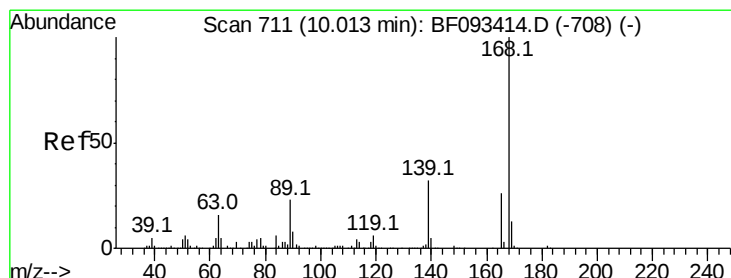
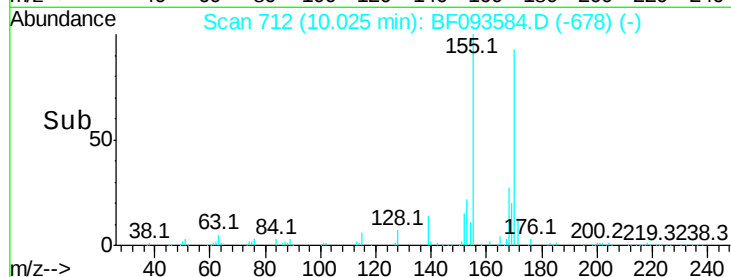
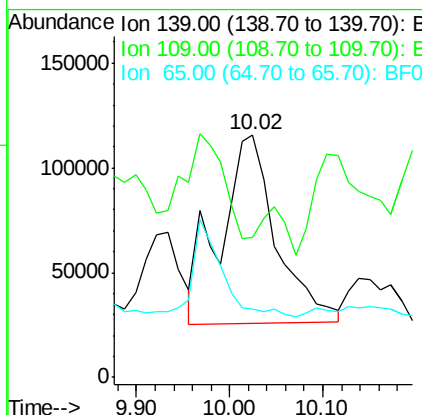
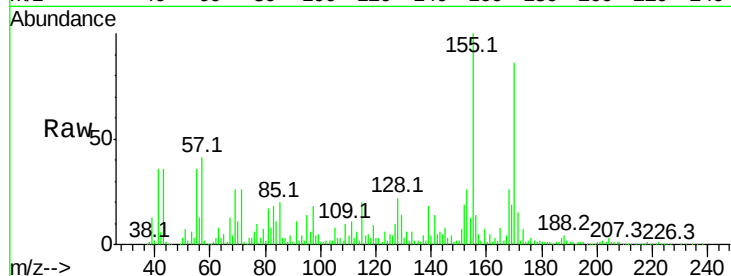
ClientSampleId :

HY-SB419AMSD

Tot Ion:	139	Resp:	377399
Ion Ratio	Lower	Upper	
139	100		
109	57.6	52.2	92.2
65	28.3	85.8	125.8#

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#56

2,4-Dinitrotoluene

Concen: 62.81 ng

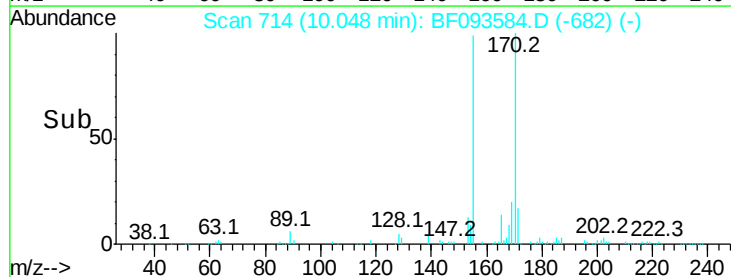
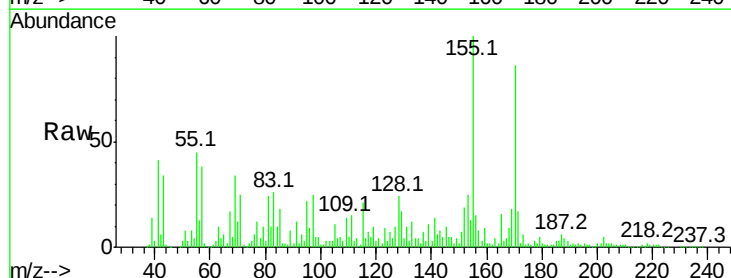
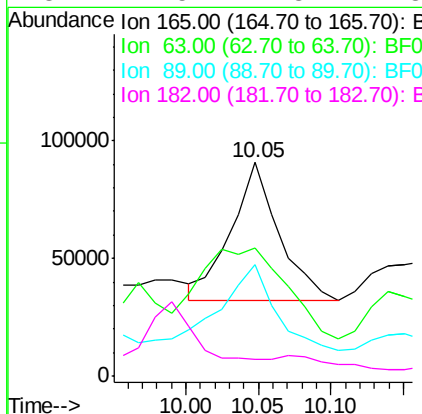
RT: 10.05 min Scan# 714

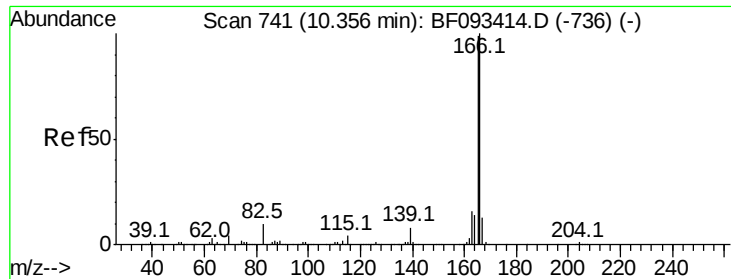
Delta R.T. 0.07 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:	165	Resp:	133419
Ion Ratio	Lower	Upper	
165	100		
63	59.7	40.2	60.4
89	52.4	62.5	93.7#
182	7.5	1.8	2.8#





#57

Fluorene

Concen: 85.22 ng

RT: 10.37 min Scan# 742

Delta R.T. 0.06 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

ClientSampleId :

HY-SB419AMSD

Tot Ion:166 Resp: 584256

Ion Ratio Lower Upper

166 100

165 112.4 77.8 116.8

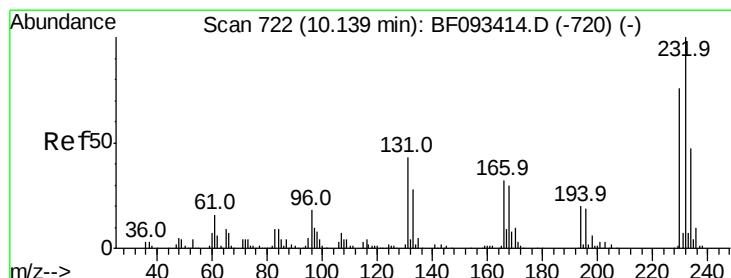
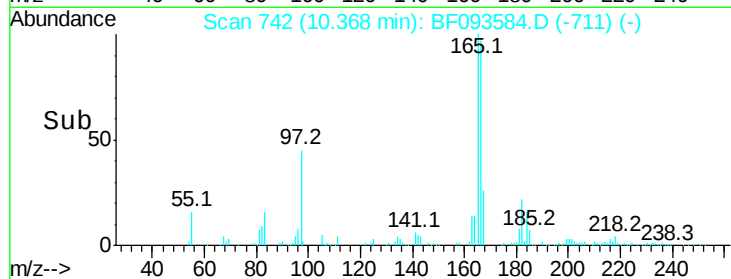
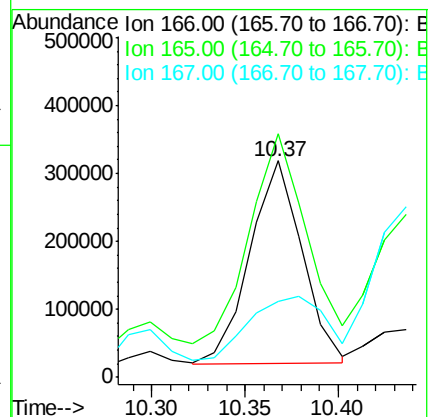
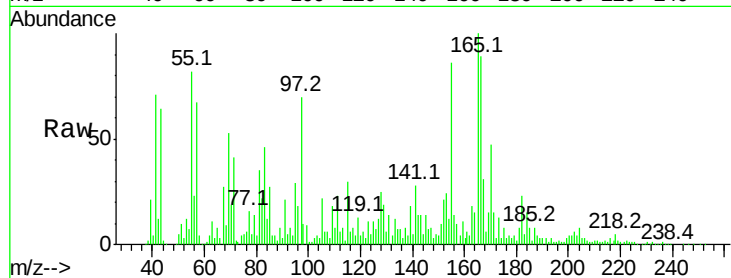
167 34.8 10.8 16.2#

Manual Integrations

APPROVED

mohammad

3/15/2017 5:34:13 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 28.08 ng

RT: 10.16 min Scan# 724

Delta R.T. 0.07 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:232 Resp: 43116

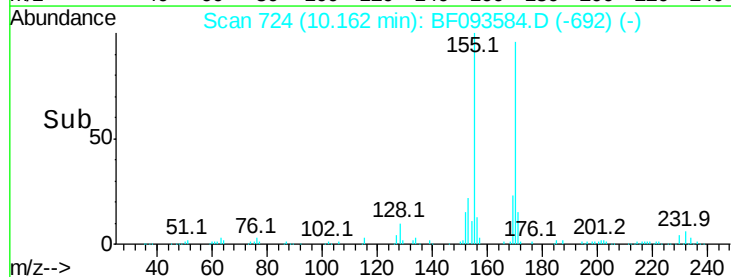
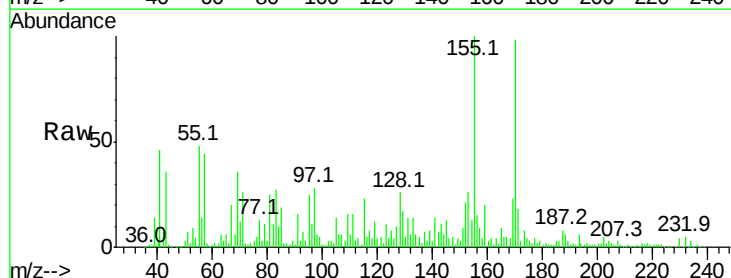
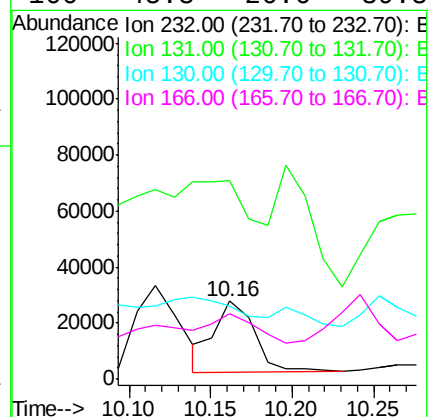
Ion Ratio Lower Upper

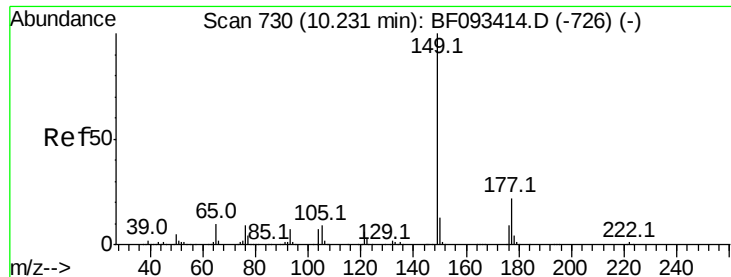
232 100

131 404.5 40.1 60.1#

130 0.0 1.8 2.8#

166 45.8 26.6 39.8#





#59

Diethylphthalate

Concen: 36.02 ng

RT: 10.23 min Scan# 730

Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

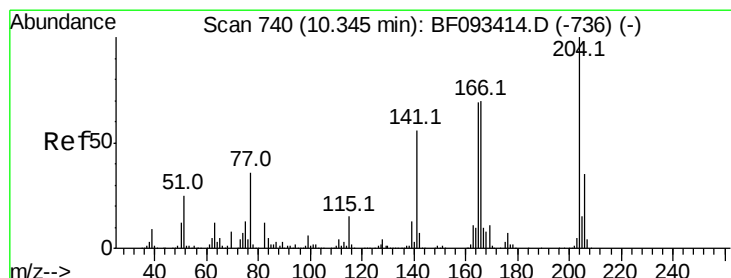
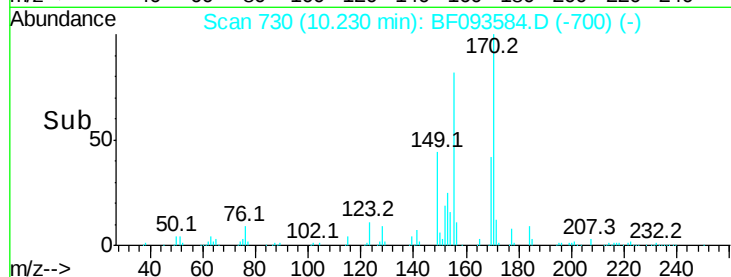
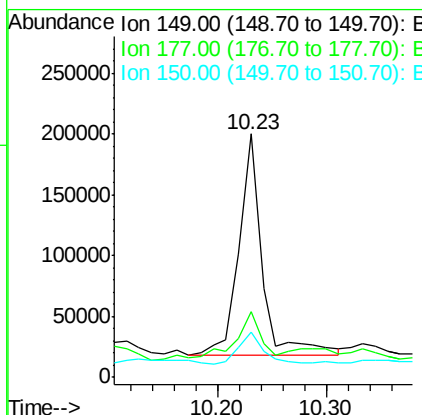
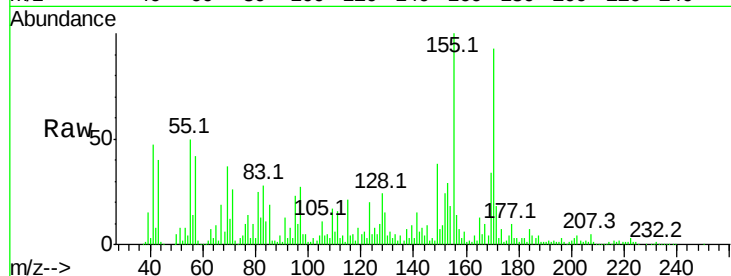
ClientSampleId :

HY-SB419AMSD

Tot Ion:	149	Resp:	271244
Ion Ratio	Lower	Upper	
149	100		
177	26.9	16.6	25.0#
150	18.7	10.4	15.6#

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#60

4-Chlorophenyl-phenylether

Concen: 41.39 ng

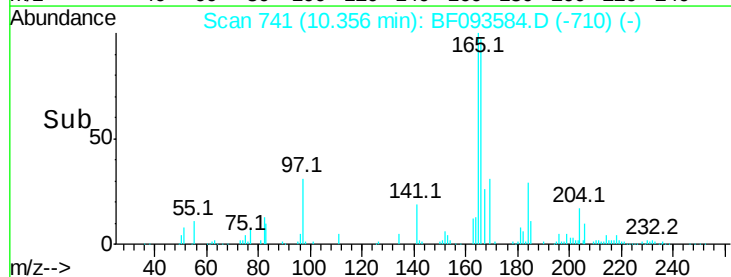
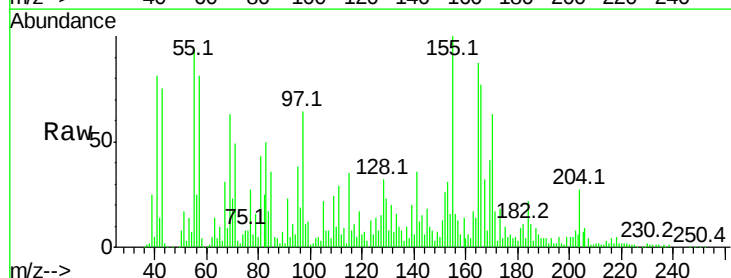
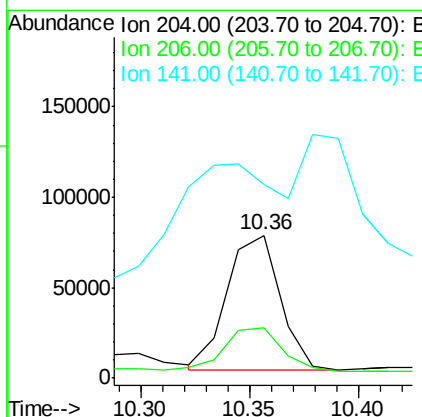
RT: 10.36 min Scan# 741

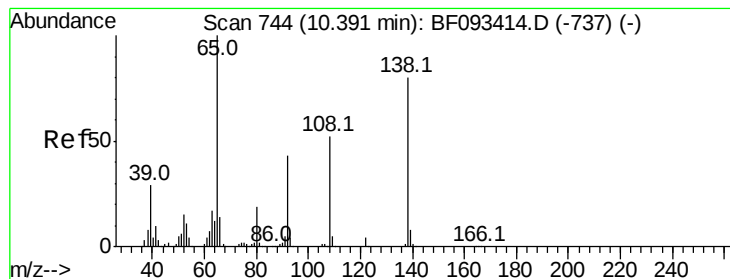
Delta R.T. 0.06 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:	204	Resp:	127199
Ion Ratio	Lower	Upper	
204	100		
206	35.5	25.8	38.6
141	136.0	59.4	89.0#





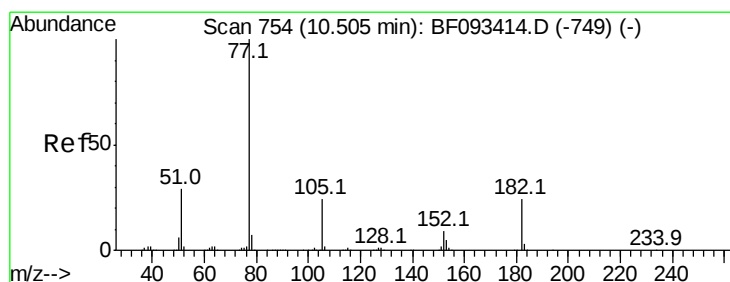
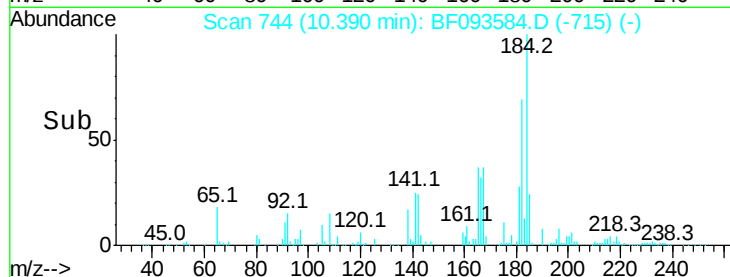
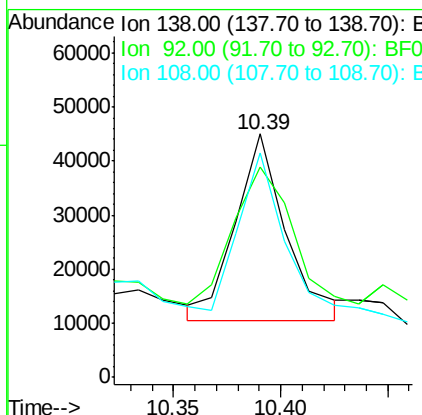
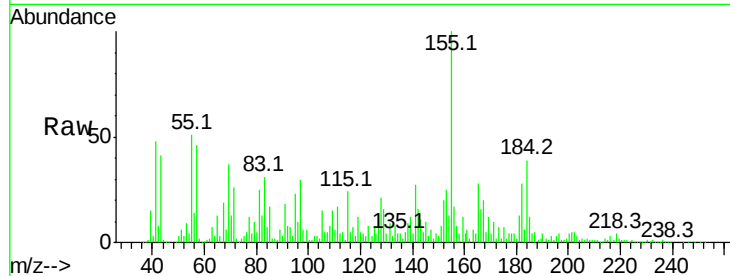
#61
4-Nitroaniline
Concen: 26.86 ng/mL
RT: 10.39 min Scan# 744
Delta R.T. 0.03 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	86.5	31.7	71.7#
108	92.2	52.6	92.6

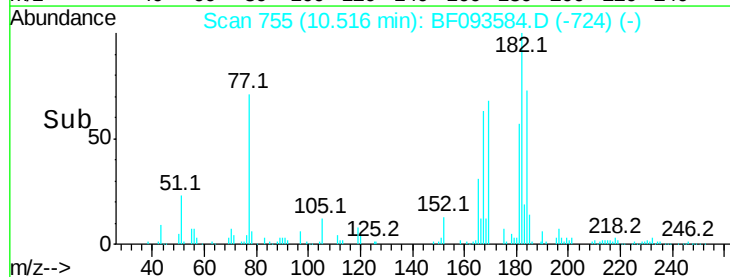
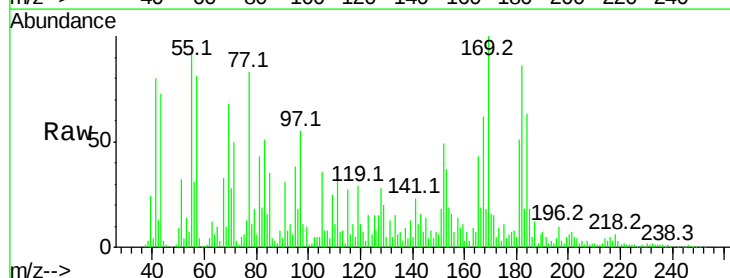
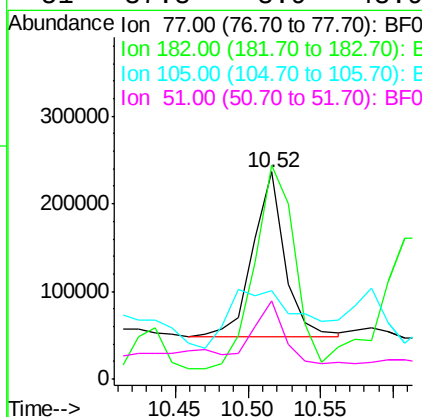
Manual Integrations
APPROVED

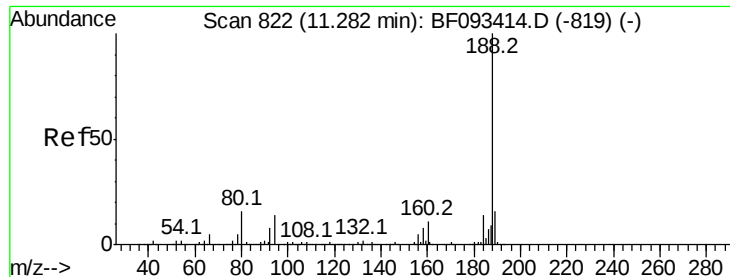
mohammad
3/15/2017 5:34:13 PM



#62
Azobenzene
Concen: 33.66 ng/mL
RT: 10.52 min Scan# 755
Delta R.T. 0.06 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
77	100		
182	103.1	0.0	39.3#
105	42.8	2.3	42.3#
51	37.8	8.9	48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 823

Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

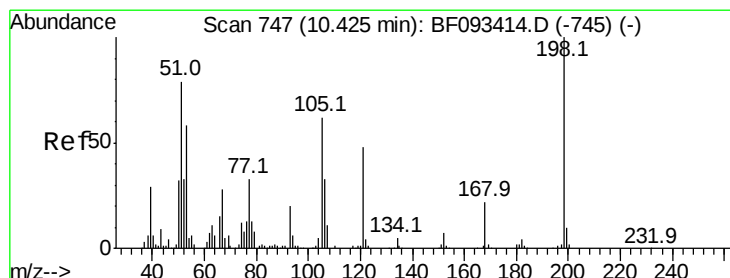
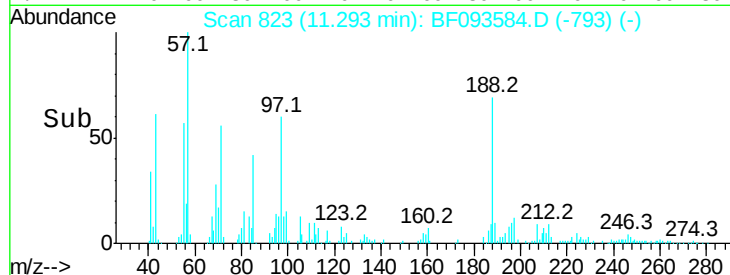
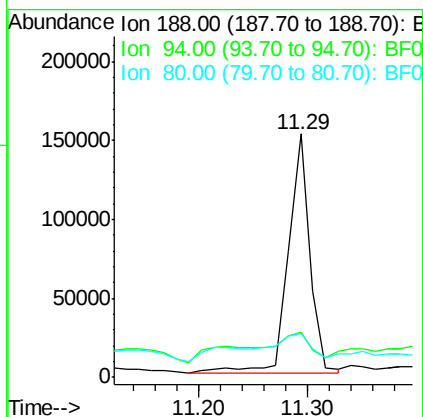
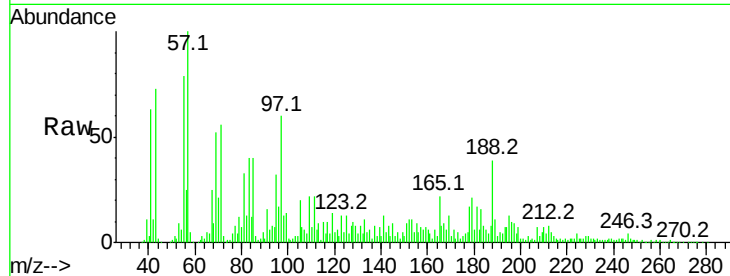
ClientSampleId :

HY-SB419AMSD

Tot Ion:	188	Resp:	212896
Ion Ratio	Lower	Upper	
188	100		
94	18.4	10.0	15.0#
80	18.2	11.2	16.8#

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 5.76 ng

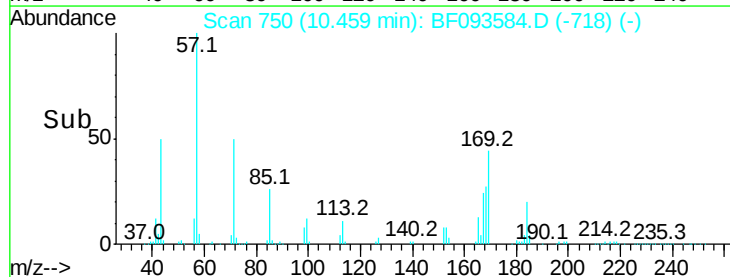
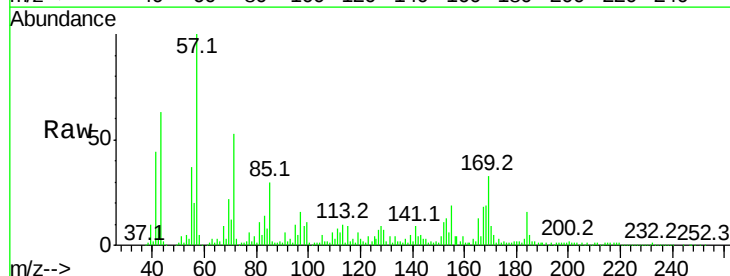
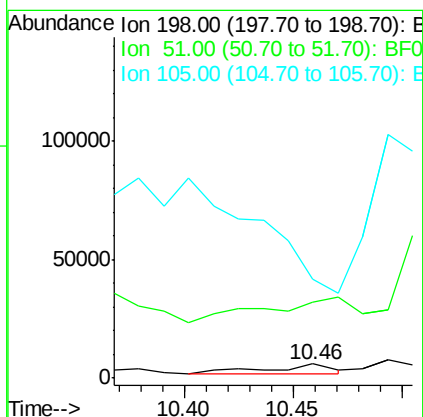
RT: 10.46 min Scan# 750

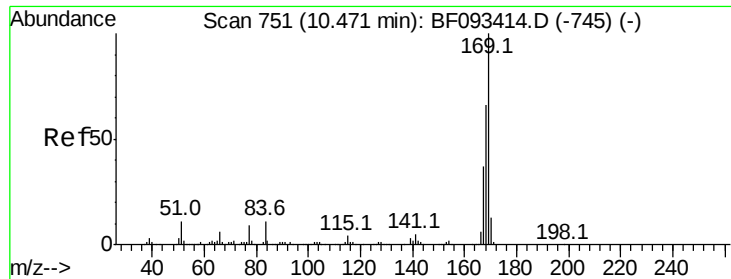
Delta R.T. 0.07 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:	198	Resp:	7941
Ion Ratio	Lower	Upper	
198	100		
51	543.2	6.7	46.7#
105	707.1	16.6	56.6#





#65

n-Nitrosodiphenylamine

Concen: 67.28 ng

RT: 10.41 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

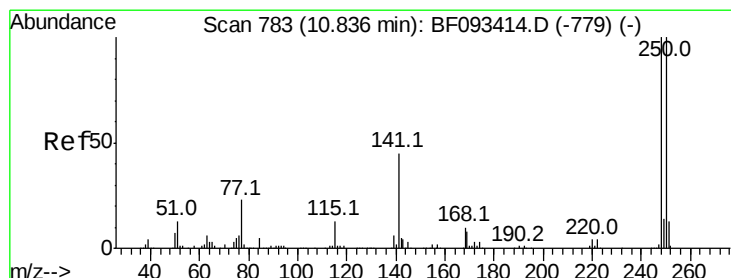
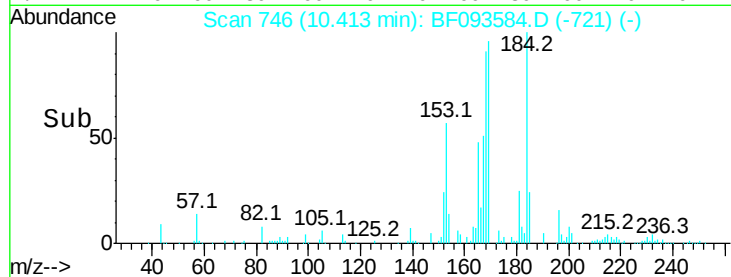
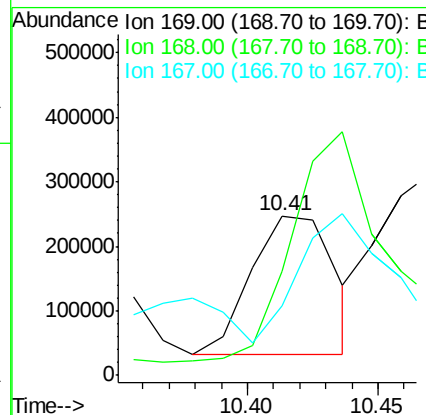
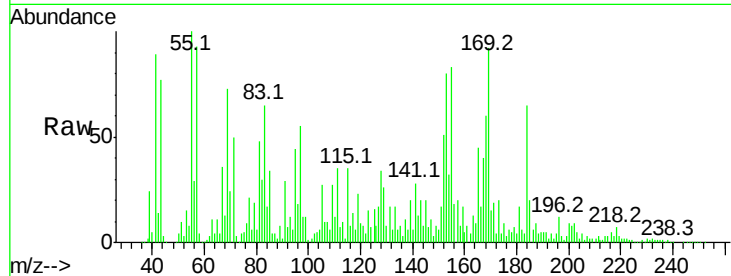
ClientSampleId :

HY-SB419AMSD

Tot Ion:	169	Resp:	478310
Ion Ratio	Lower	Upper	
169	100		
168	65.8	54.2	81.2
167	43.4	30.2	45.4

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#66

4-Bromophenyl-phenylether

Concen: 42.81 ng

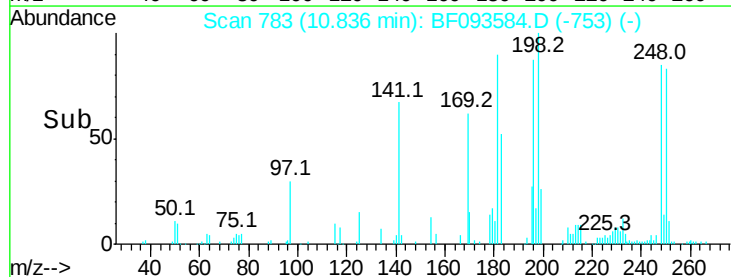
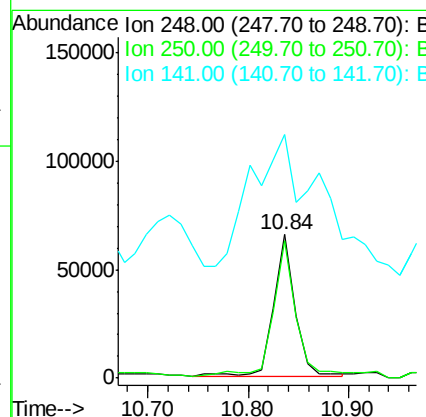
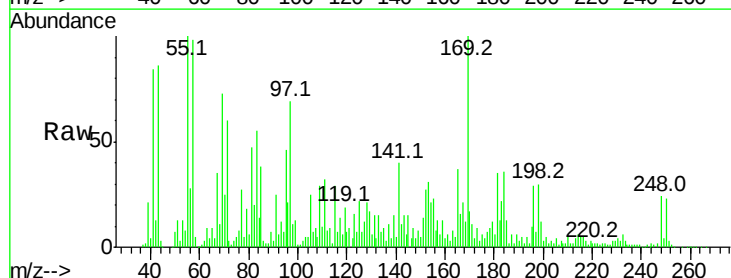
RT: 10.84 min Scan# 783

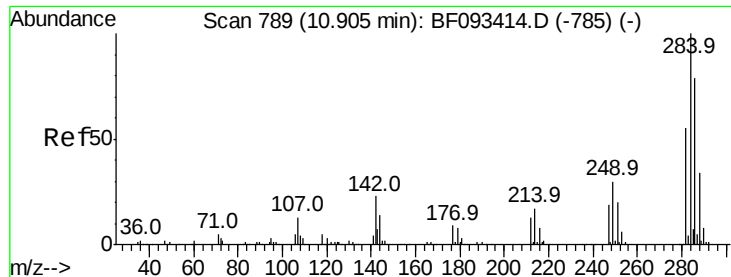
Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:	248	Resp:	96379
Ion Ratio	Lower	Upper	
248	100		
250	95.8	76.9	115.3
141	169.9	68.2	102.4#





#67

Hexachlorobenzene

Concen: 30.97 ng

RT: 10.95 min Scan# 793

Delta R.T. 0.09 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

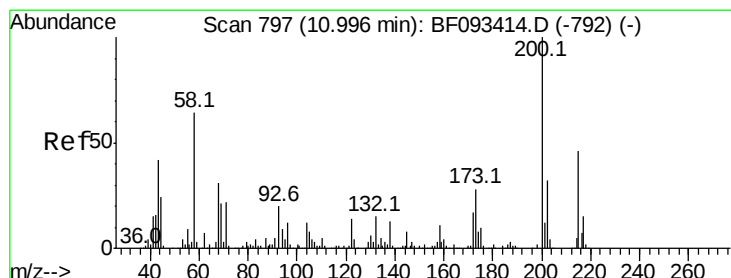
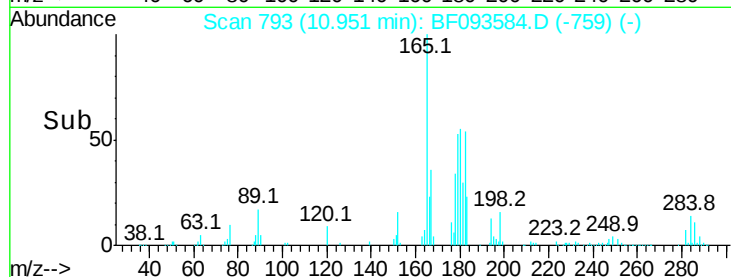
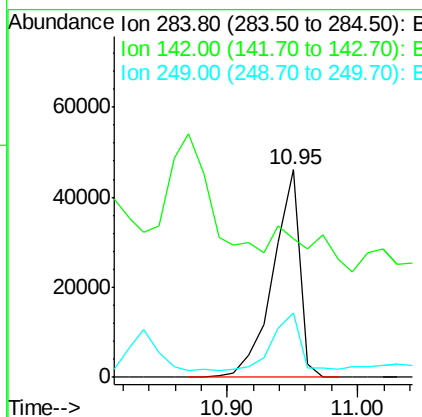
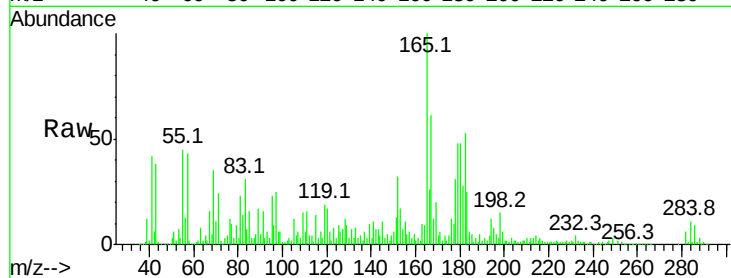
ClientSampleId :

HY-SB419AMSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	66577		
142	67.1	22.6	33.8#	
249	30.9	25.4	38.0	

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#68

Atrazine

Concen: 59.61 ng

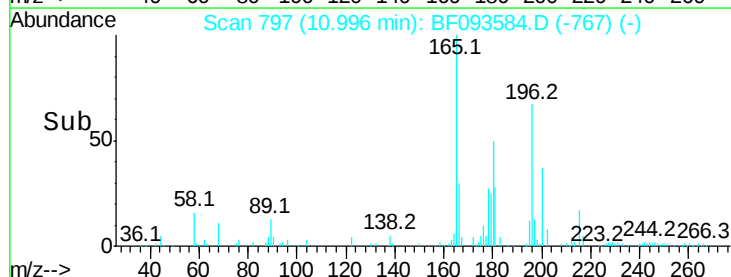
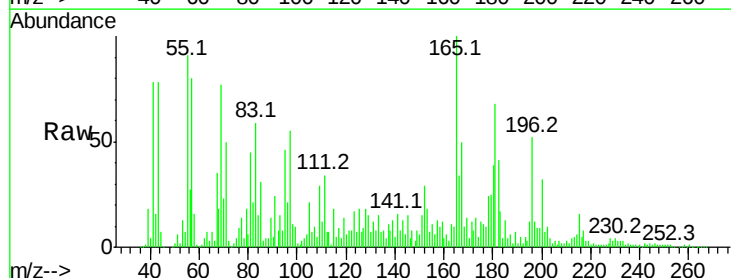
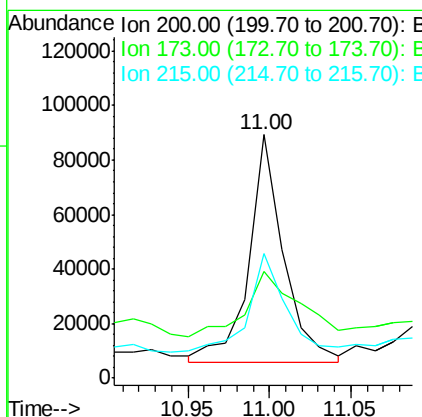
RT: 11.00 min Scan# 797

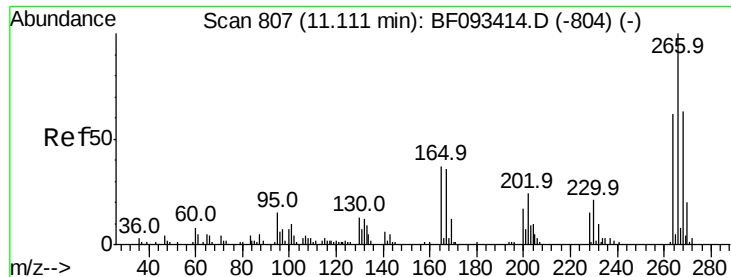
Delta R.T. 0.05 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	124022		
173	43.7	9.6	49.6	
215	51.2	25.7	65.7	





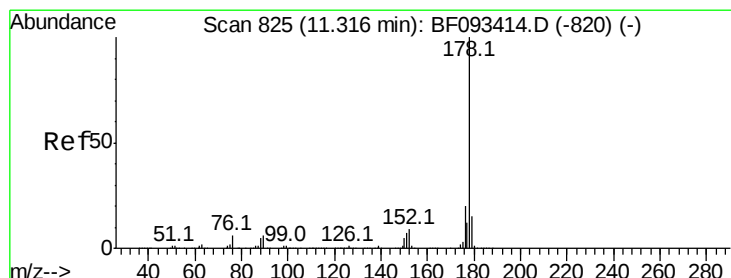
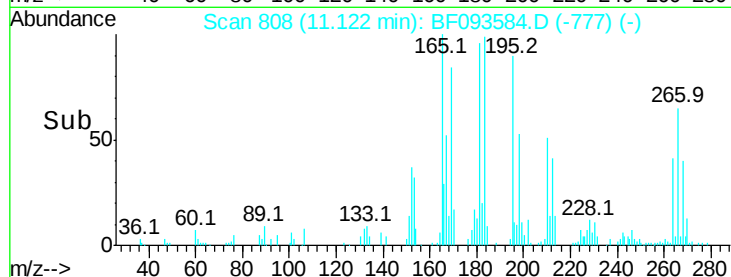
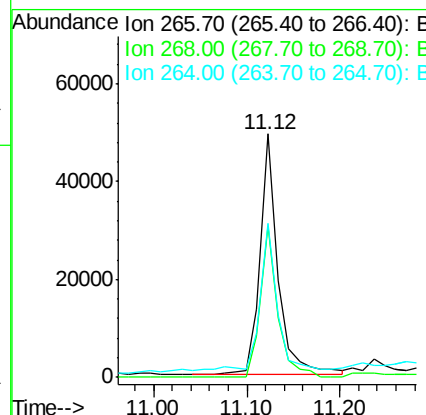
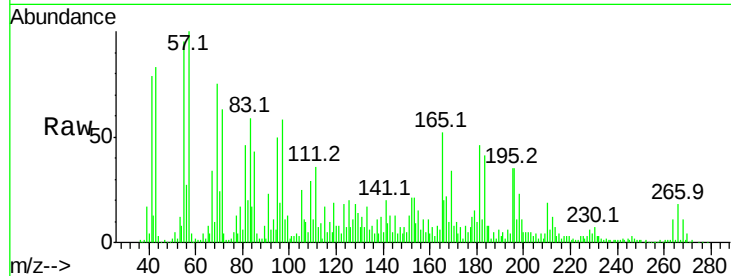
#69
 Pentachlorophenol
 Concen: 86.96 ng
 RT: 11.12 min Scan# 808
 Delta R.T. 0.06 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	62.0	53.3	79.9
264	63.3	50.3	75.5

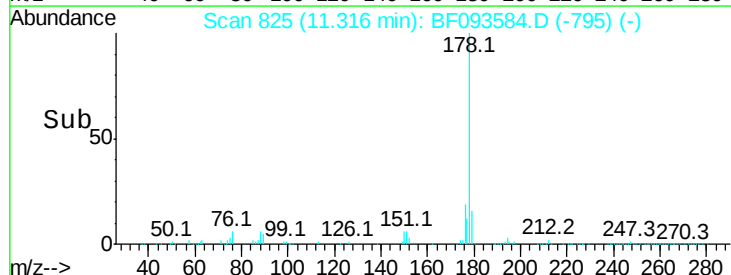
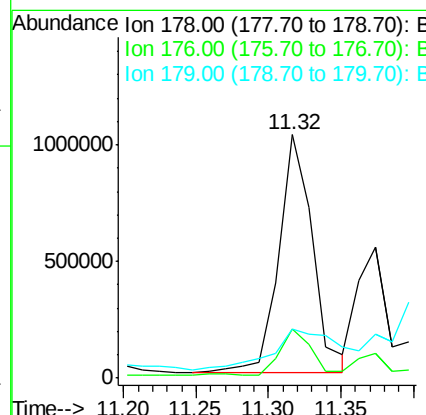
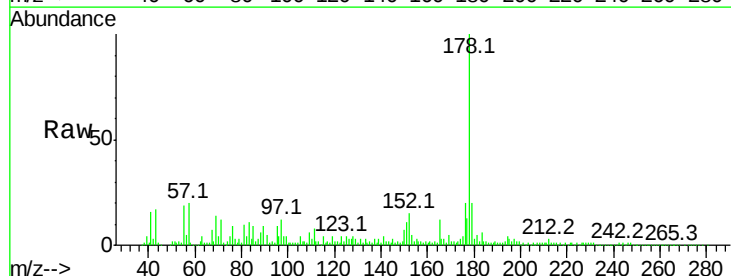
Manual Integrations
 APPROVED

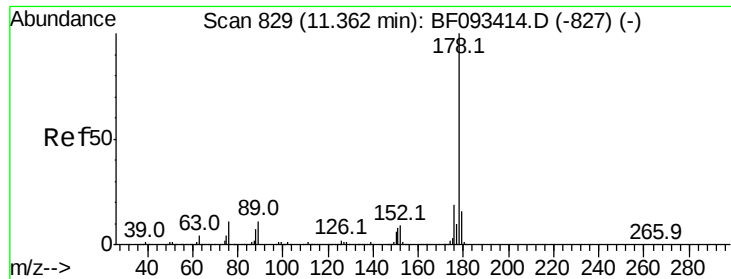
mohammad
 3/15/2017 5:34:13 PM



#70
 Phenanthrene
 Concen: 135.57 ng
 RT: 11.32 min Scan# 825
 Delta R.T. 0.05 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.6	25.0
179	20.1	12.8	19.2





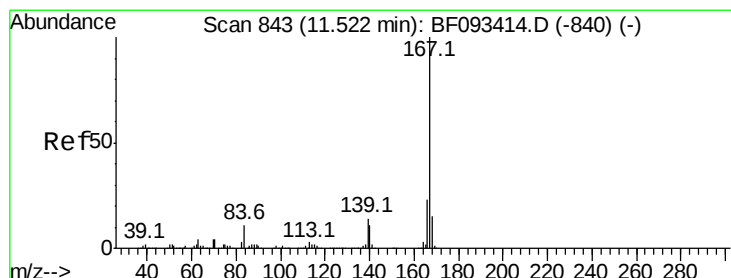
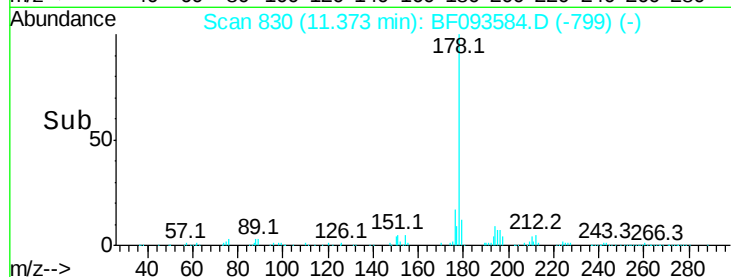
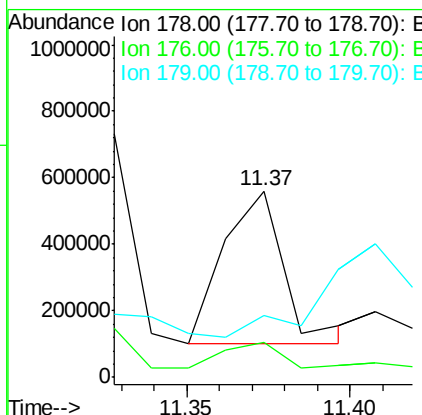
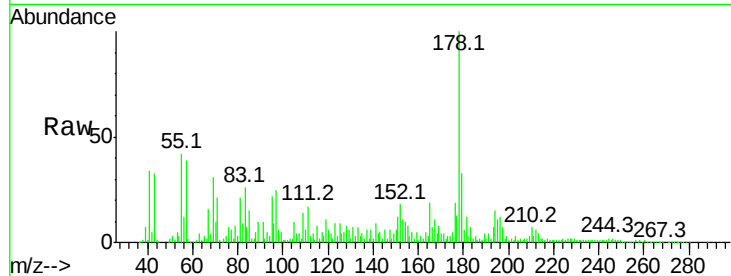
#71
 Anthracene
 Concen: 47.87 ng
 RT: 11.37 min Scan# 830
 Delta R.T. 0.06 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	33.3	13.2	19.8

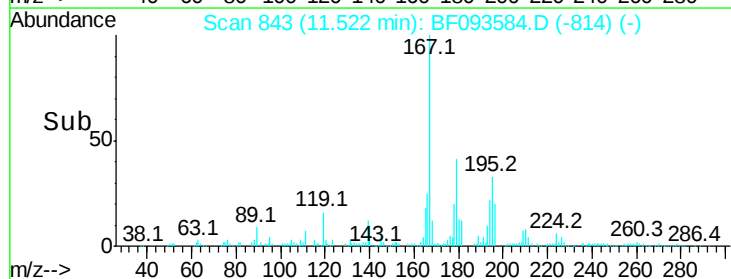
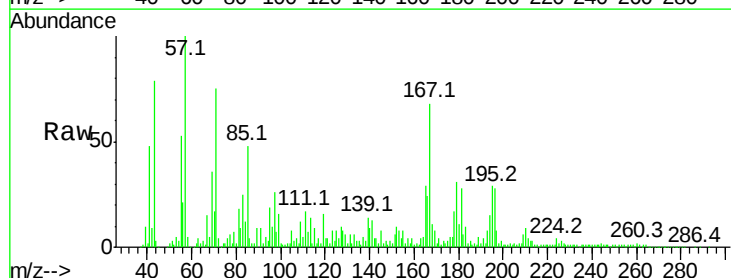
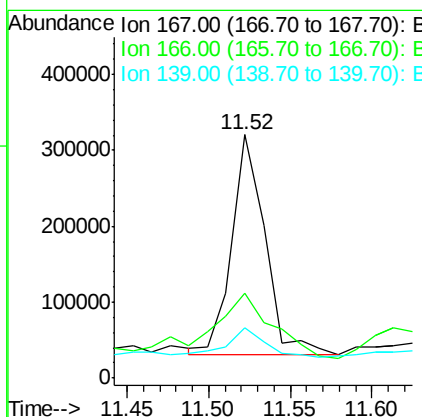
Manual Integrations
 APPROVED

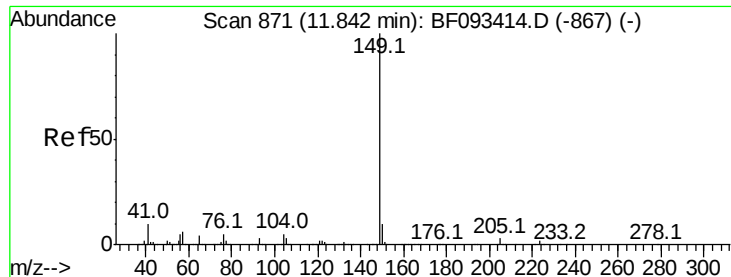
mohammad
 3/15/2017 5:34:13 PM



#72
 Carbazole
 Concen: 35.19 ng
 RT: 11.52 min Scan# 843
 Delta R.T. 0.03 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	34.9	18.2	27.2
139	20.4	11.4	17.2





#73

Di-n-butylphthalate

Concen: 50.88 ng

RT: 11.83 min Scan# 870

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

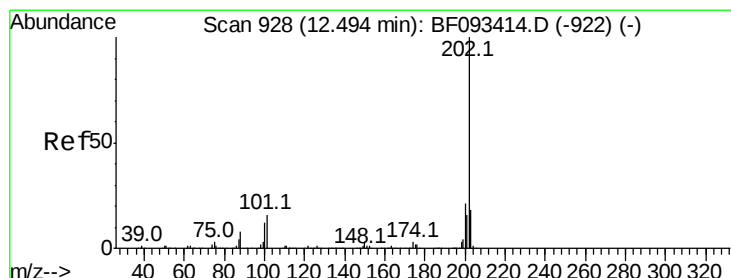
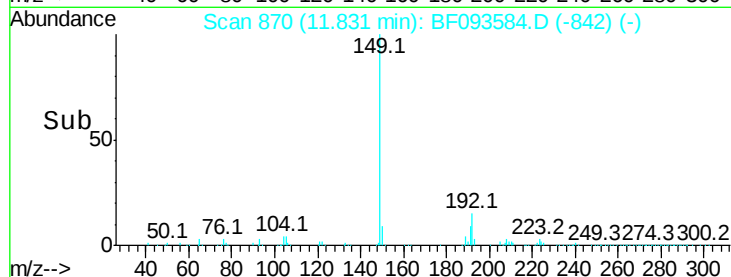
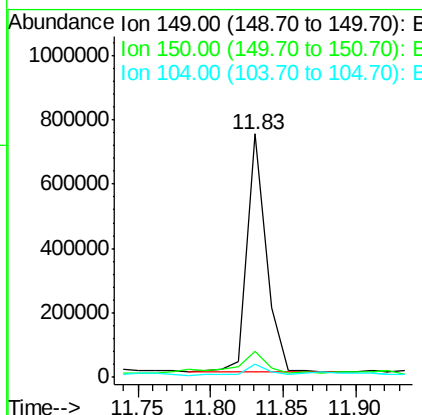
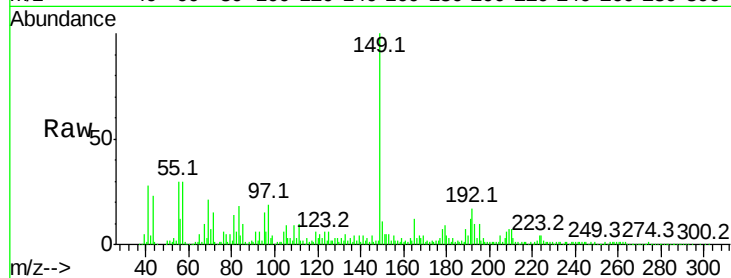
ClientSampleId :

HY-SB419AMSD

Tot Ion:	149	Resp:	679721
Ion Ratio	Lower	Upper	
149	100		
150	10.9	8.1	12.1
104	5.6	4.6	7.0

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#74

Fluoranthene

Concen: 72.08 ng

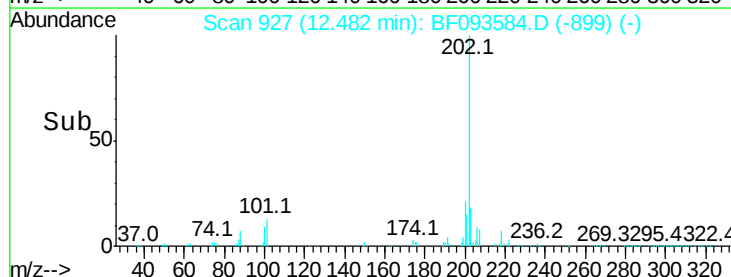
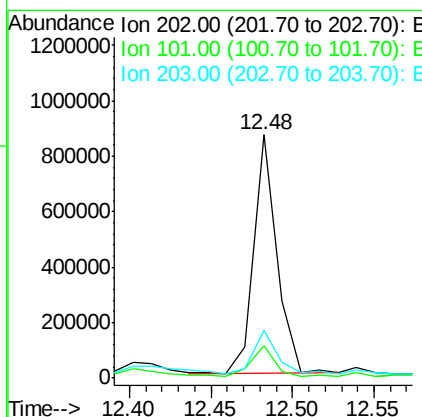
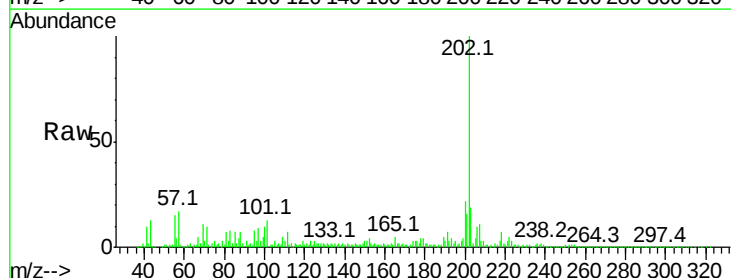
RT: 12.48 min Scan# 927

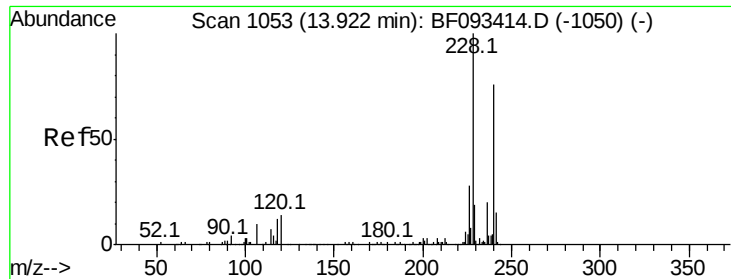
Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:	202	Resp:	846034
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	34.6
203	19.4	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

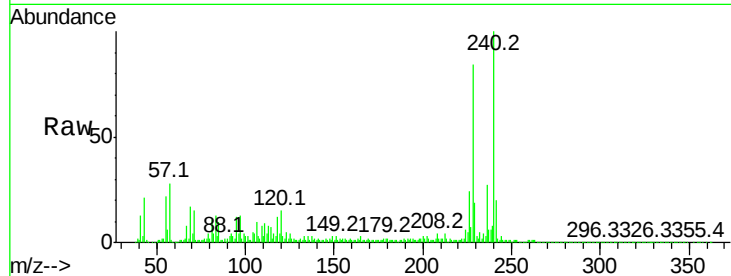
ClientSampleId :

HY-SB419AMSD

Tot Ion:	240	Resp:	319811
Ion Ratio	Lower	Upper	
240	100		
120	15.0	12.9	19.3
236	26.6	20.9	31.3

Manual Integrations
APPROVED

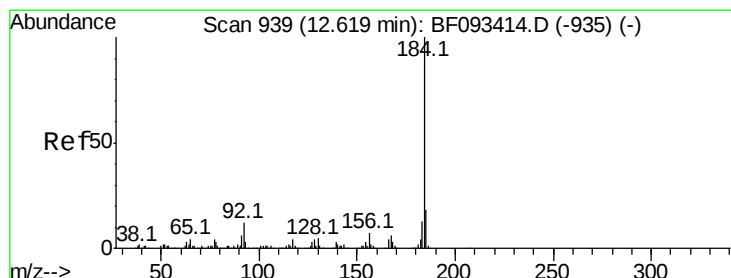
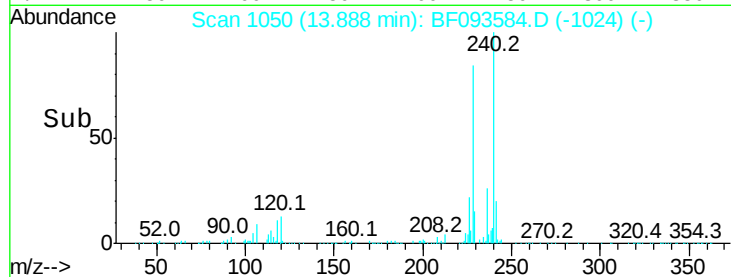
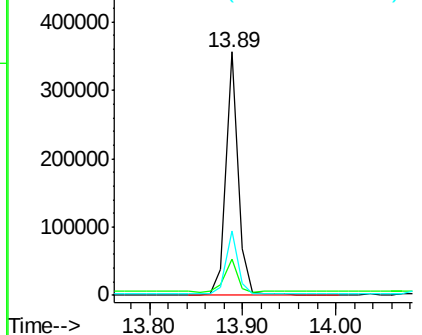
mohammad
3/15/2017 5:34:13 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 6.80 ng

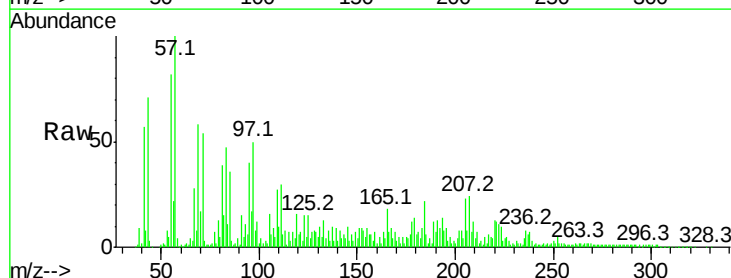
RT: 12.61 min Scan# 938

Delta R.T. 0.02 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

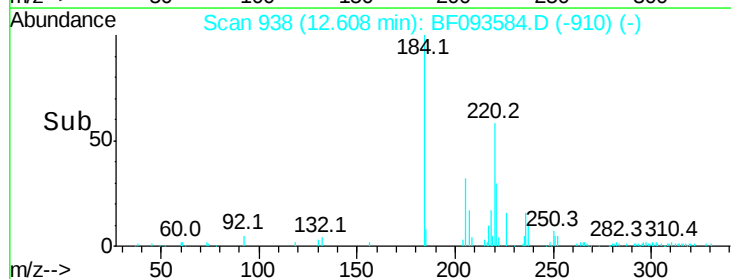
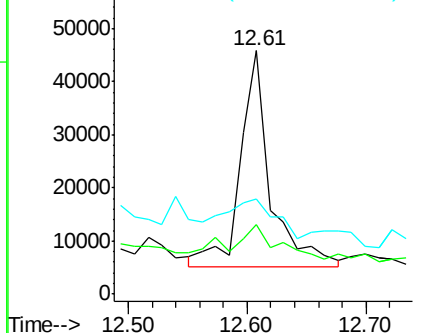
Tgt Ion:	184	Resp:	71562
Ion Ratio	Lower	Upper	
184	100		
185	28.7	13.4	20.0#
183	38.8	9.2	13.8#

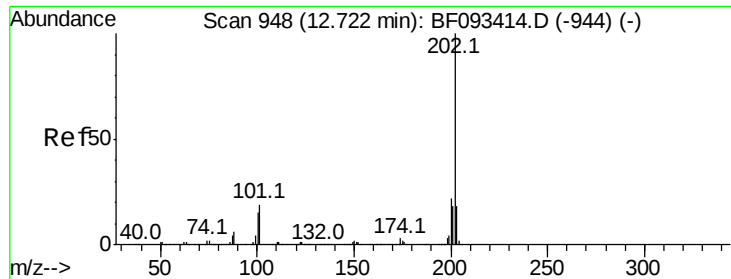


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 49.71 ng

RT: 12.71 min Scan# 947

Delta R.T. 0.03 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

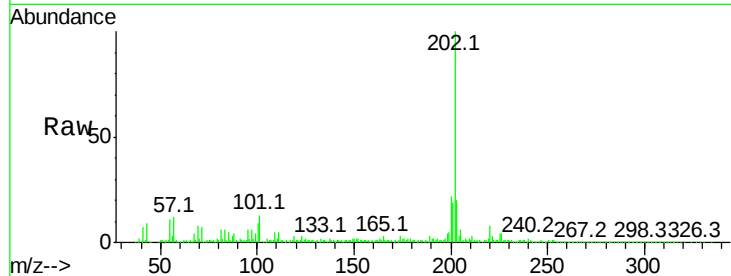
ClientSampled :

HY-SB419AMSD

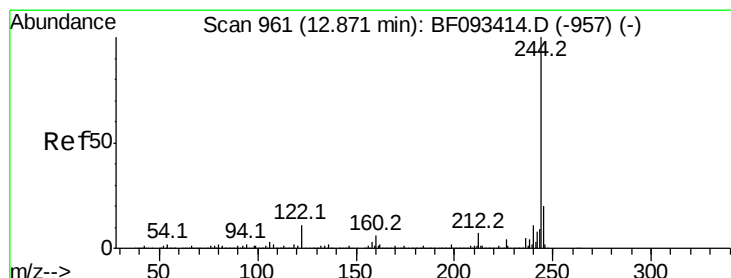
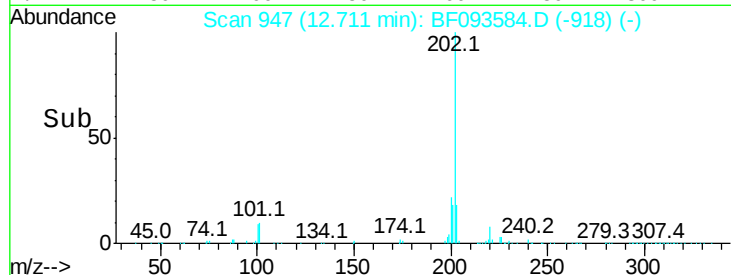
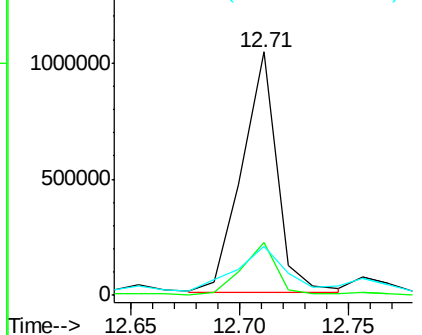
Tot Ion:	202	Resp:	1156225
Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	20.4	14.7	22.1

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



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



#78

Terphenyl-d14

Concen: 67.86 ng

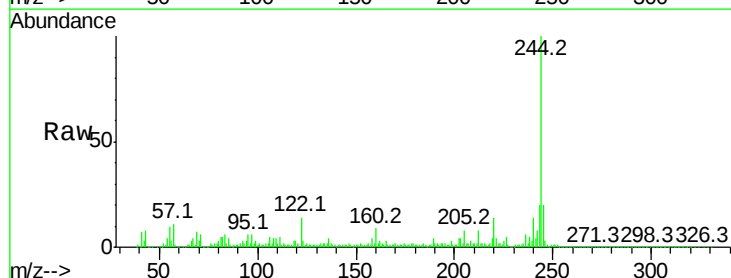
RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

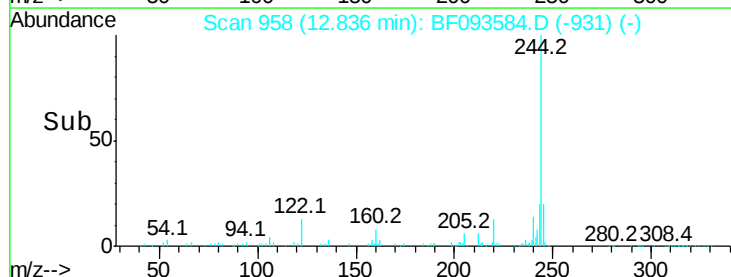
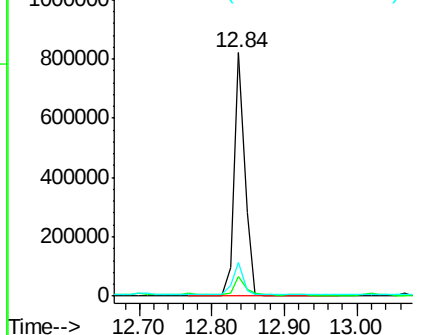
Lab File: BF093584.D

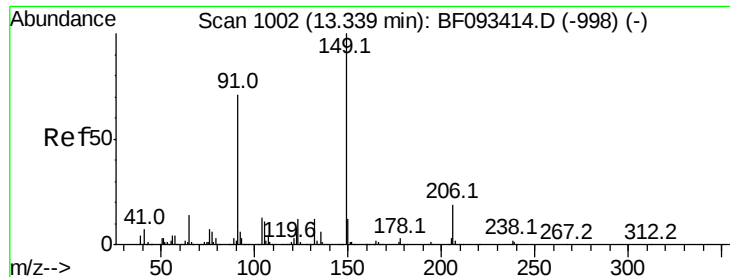
Acq: 11 Mar 2017 23:00

Tgt Ion:	244	Resp:	834689
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	13.9	11.4	17.2



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





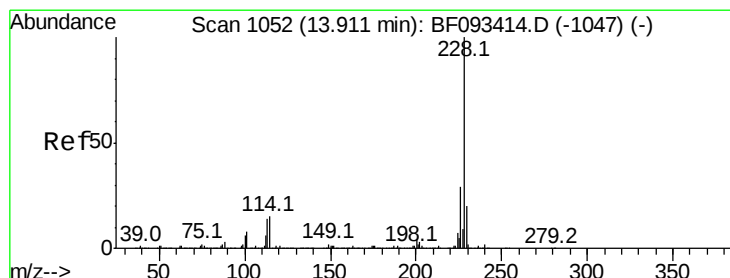
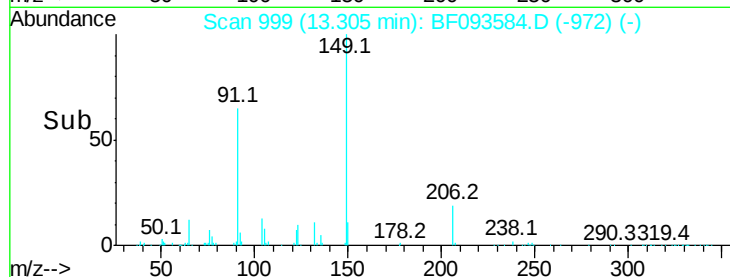
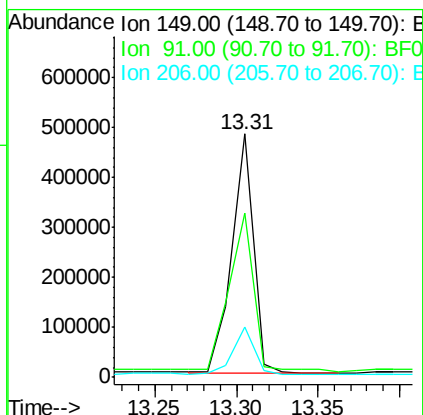
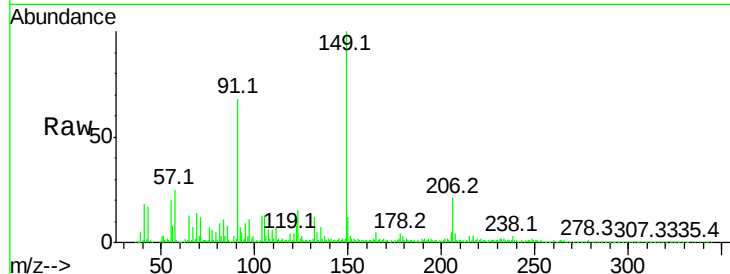
#79
Butylbenzylphthalate
Concen: 44.47 ng
RT: 13.31 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
91	67.7	63.9	95.9	
206	20.9	14.6	21.8	

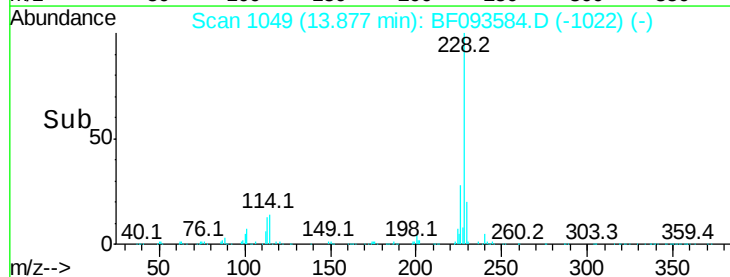
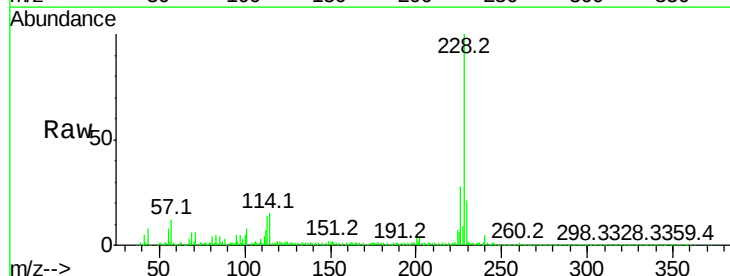
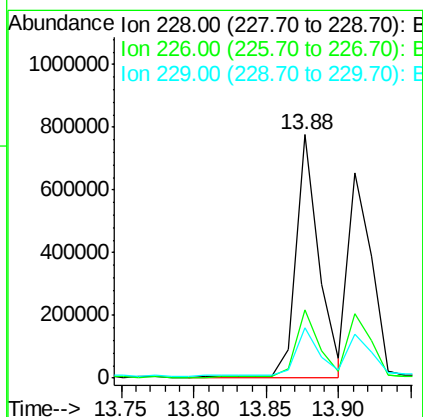
Manual Integrations
APPROVED

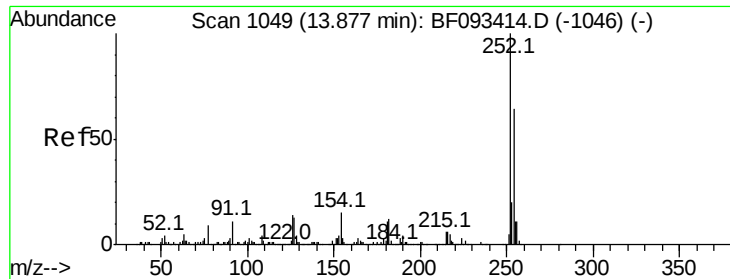
mohammad
3/15/2017 5:34:13 PM



#80
Benzo(a)anthracene
Concen: 44.53 ng
RT: 13.88 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.2	22.4	33.6	
229	20.8	16.2	24.4	





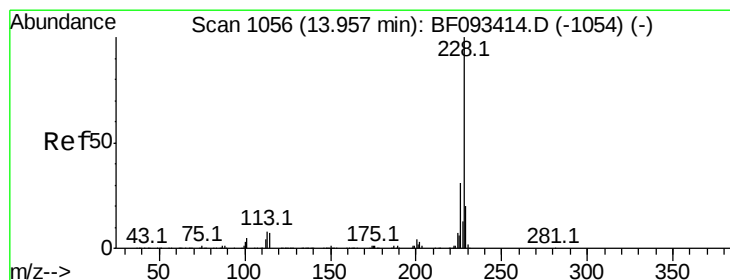
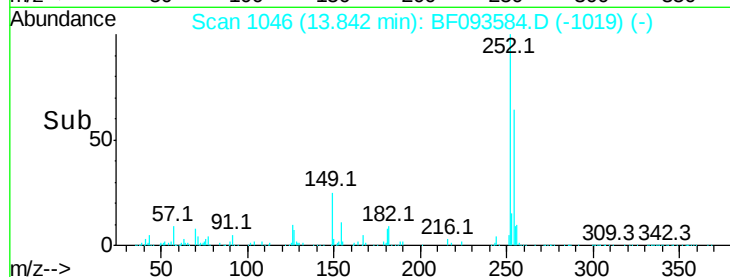
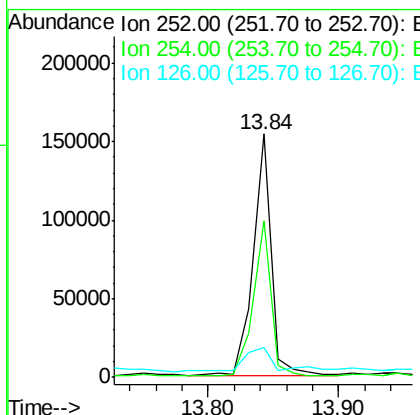
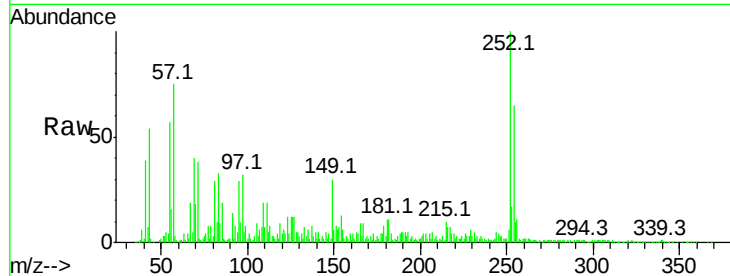
#81
 3,3'-Dichlorobenzidine
 Concen: 22.18 ng
 RT: 13.84 min Scan# 1046
 Delta R.T. 0.01 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.5	52.3	78.5
126	12.4	13.6	20.4

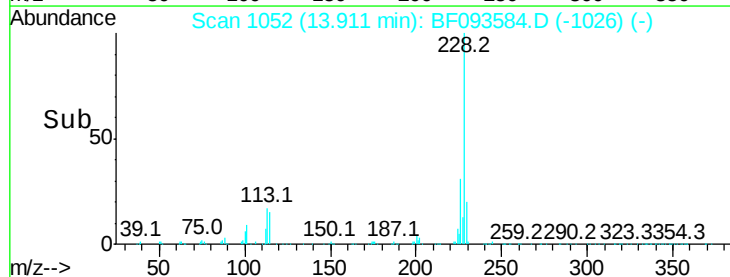
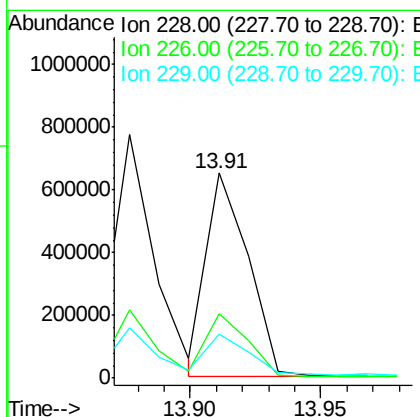
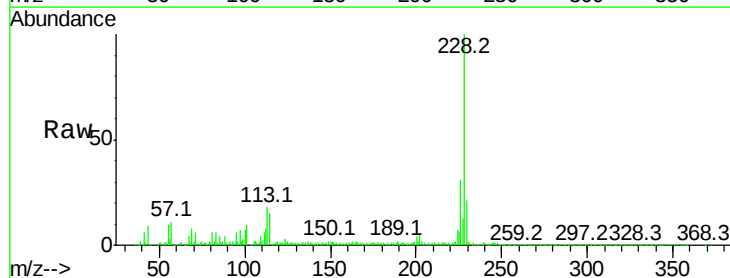
Manual Integrations
 APPROVED

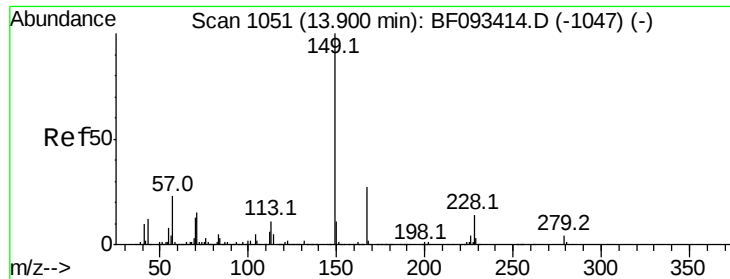
mohammad
 3/15/2017 5:34:13 PM



#82
 Chrysene
 Concen: 41.20 ng
 RT: 13.91 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.0
229	21.2	16.2	24.2





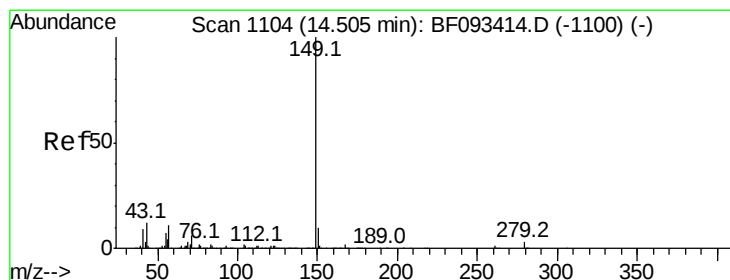
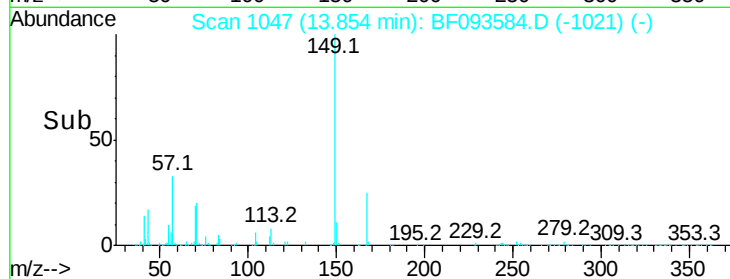
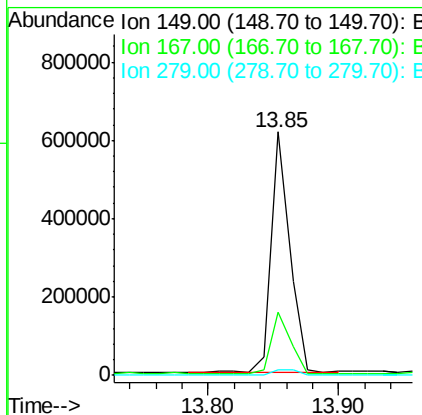
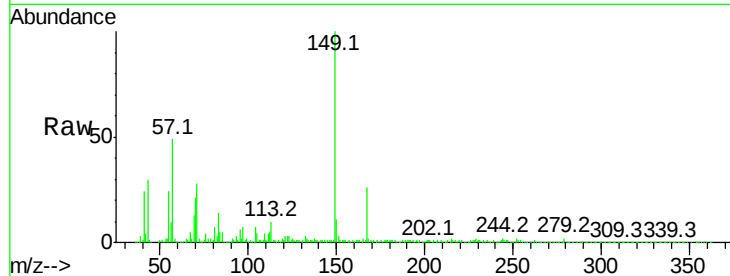
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 44.83 ng
 RT: 13.85 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.2	30.4
279	2.2	1.8	2.8

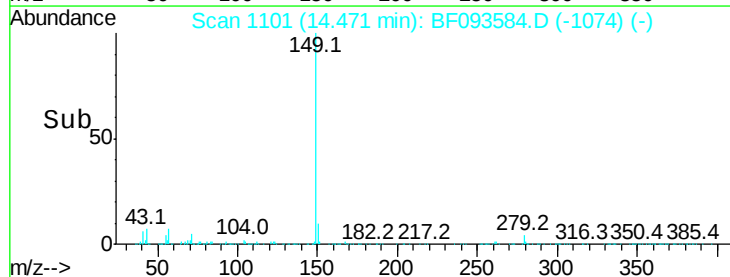
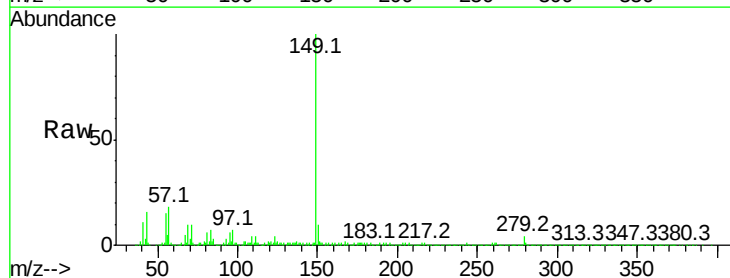
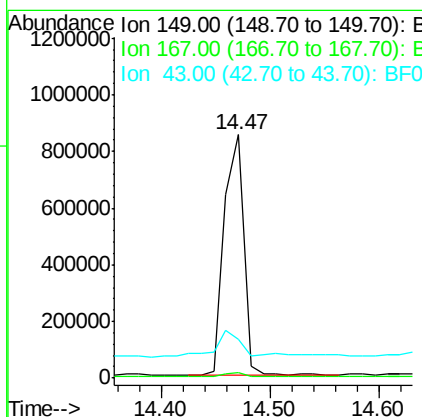
Manual Integrations
 APPROVED

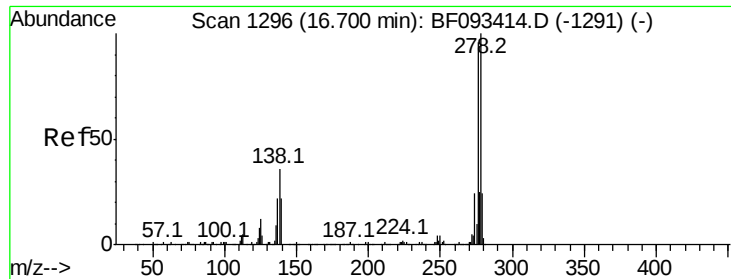
mohammad
 3/15/2017 5:34:13 PM



#84
 Di-n-octyl phthalate
 Concen: 46.50 ng
 RT: 14.47 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: BF093584.D
 Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.1	1.3	1.9#
43	14.9	8.9	13.3#





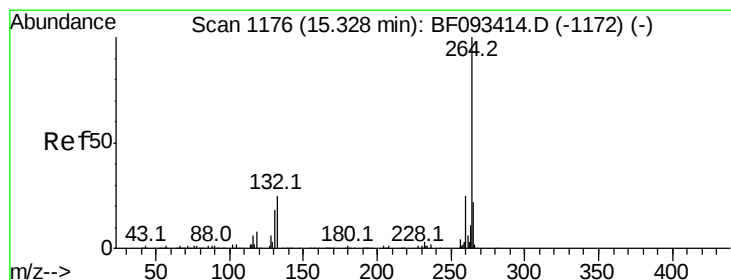
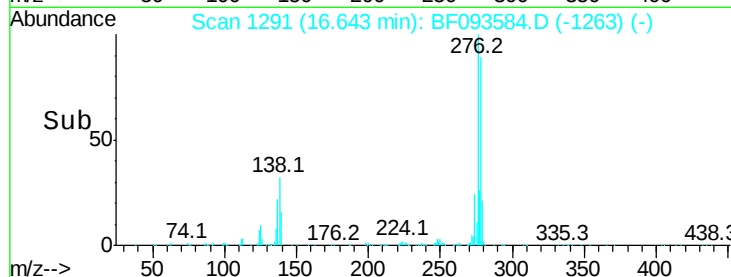
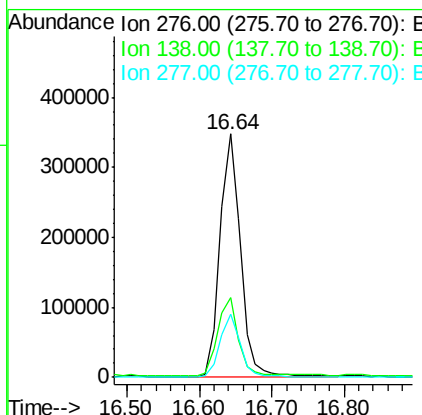
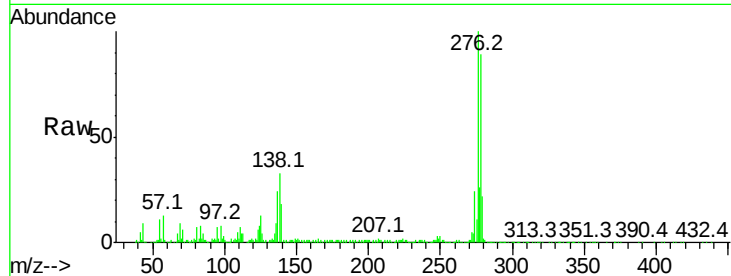
#85
Indeno(1,2,3-cd)pyrene
Concen: 46.55 ng
RT: 16.64 min Scan# 1291
Delta R.T. 0.02 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	21.8	32.6
277	25.0	20.2	30.4

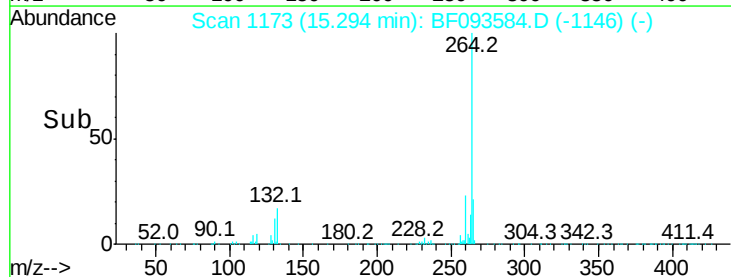
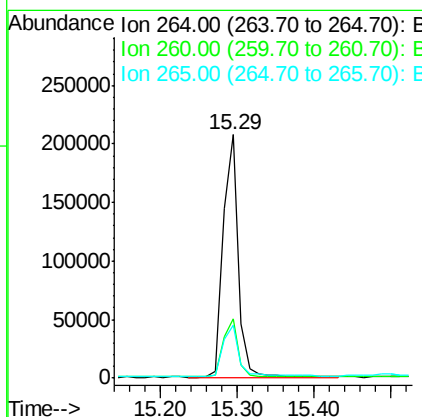
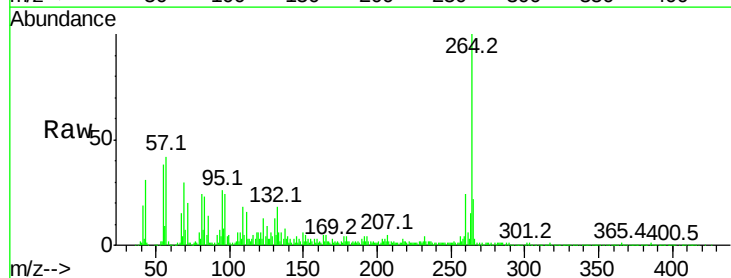
Manual Integrations
APPROVED

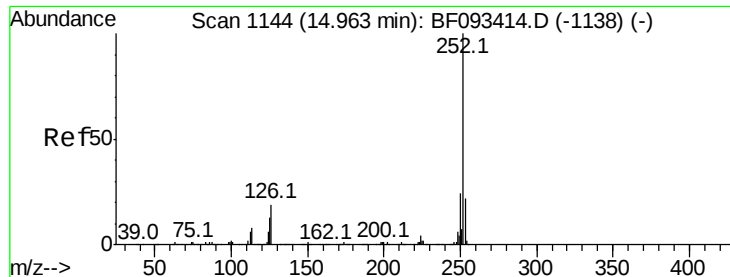
mohammad
3/15/2017 5:34:13 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.6	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 43.89 ng m

RT: 14.89 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Instrument :

BNA_F

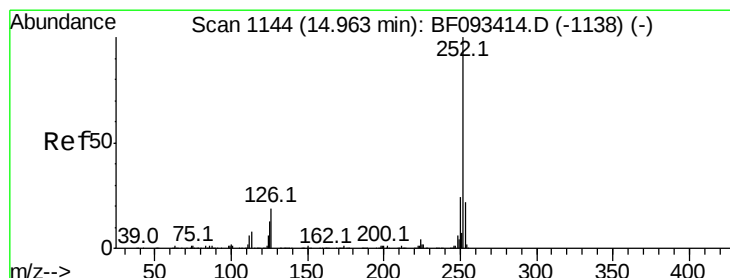
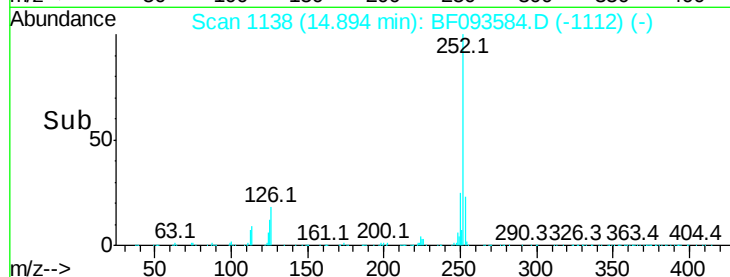
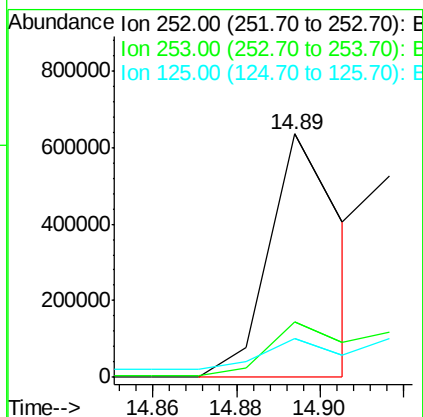
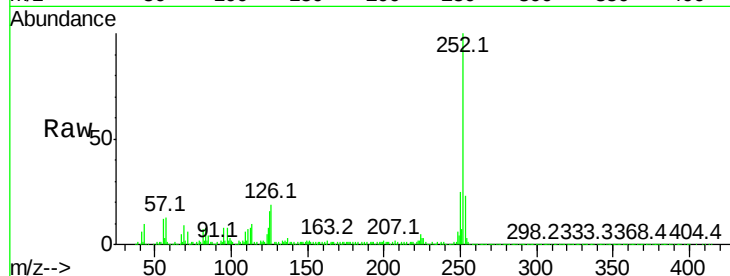
ClientSampleId :

HY-SB419AMSD

Tot Ion:	252	Resp:	766806
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.2	27.4
125	16.1	9.8	14.6#

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM



#88

Benzo(k)fluoranthene

Concen: 45.42 ng m

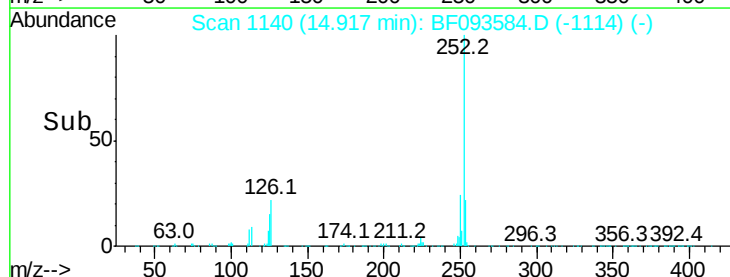
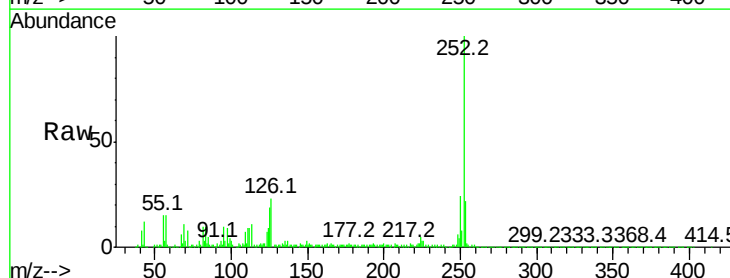
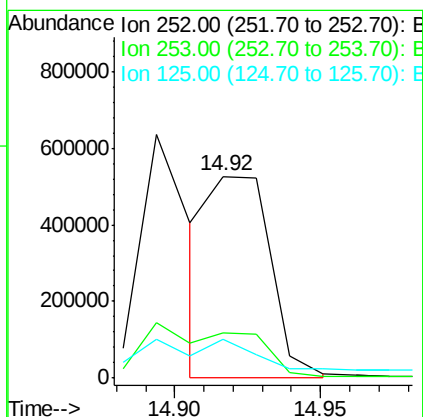
RT: 14.92 min Scan# 1140

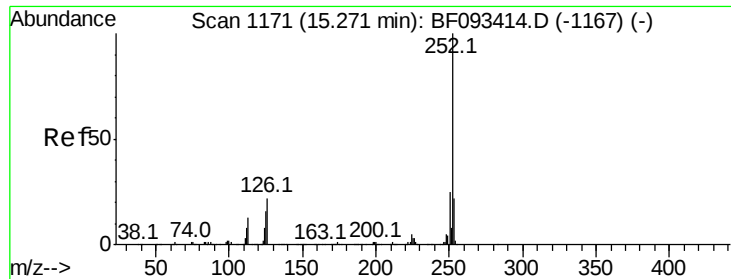
Delta R.T. -0.00 min

Lab File: BF093584.D

Acq: 11 Mar 2017 23:00

Tgt Ion:	252	Resp:	765228
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.5	27.7
125	19.0	8.9	13.3#





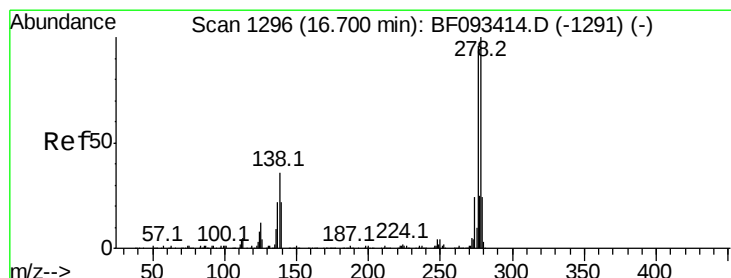
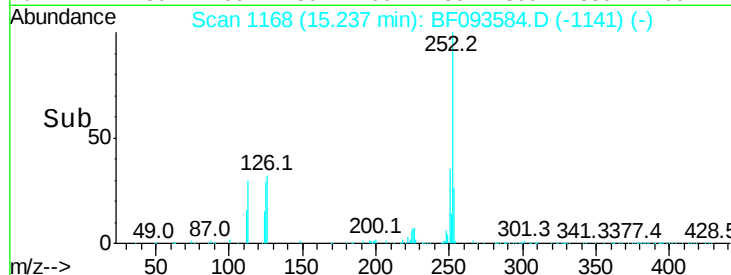
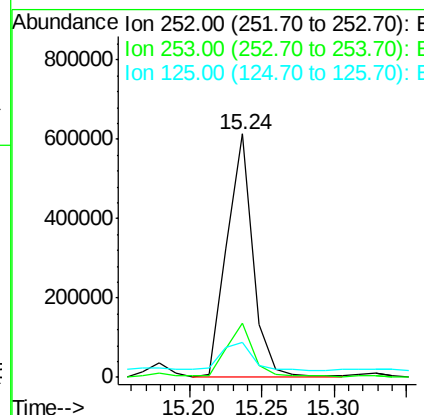
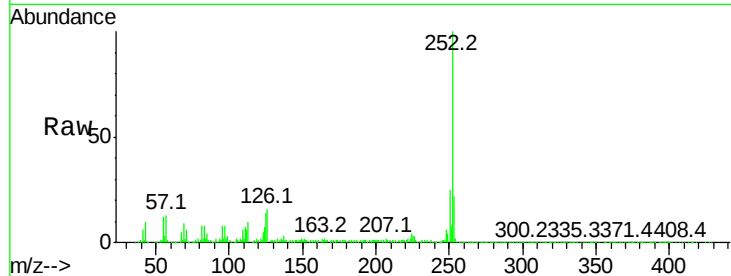
#89
Benzo(a)pyrene
Concen: 47.23 ng
RT: 15.24 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	18.2	27.2
125	14.2	10.0	15.0

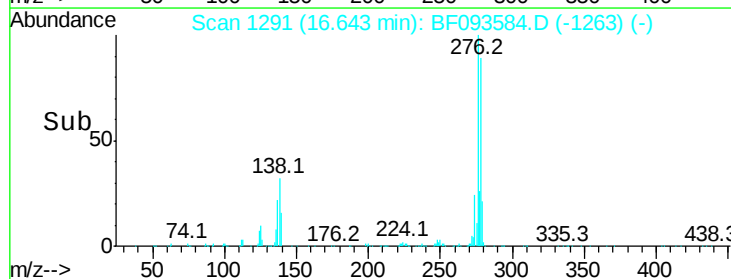
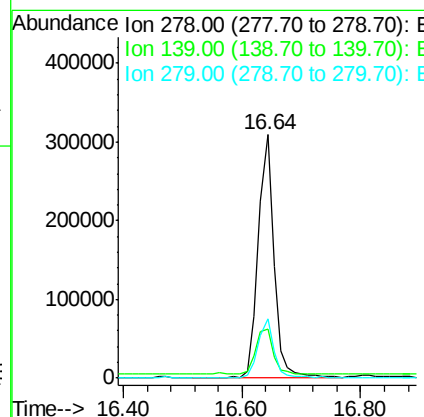
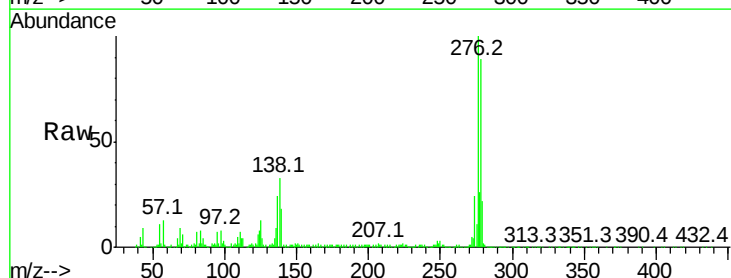
Manual Integrations
APPROVED

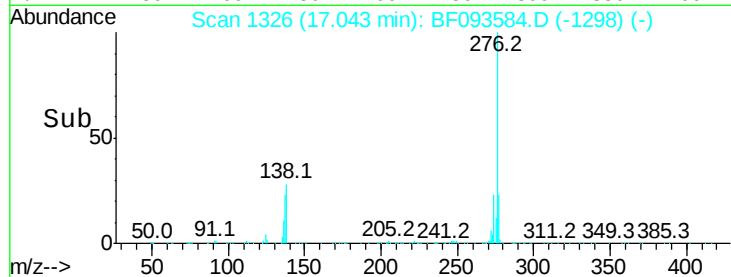
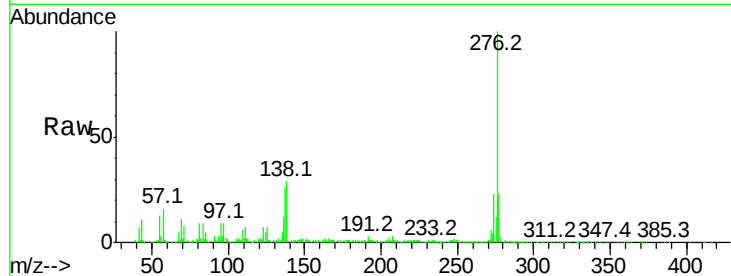
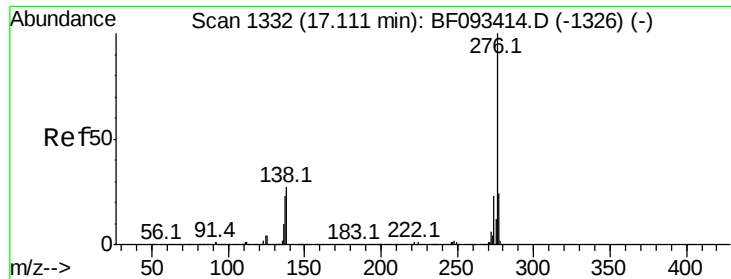
mohammad
3/15/2017 5:34:13 PM



#90
Dibenzo(a,h)anthracene
Concen: 43.32 ng
RT: 16.64 min Scan# 1291
Delta R.T. 0.02 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	20.1	14.8	22.2
279	24.2	19.8	29.6





#91
Benzo(a,h,i)perylene
Concen: 42.49 ng
RT: 17.04 min Scan# 1326
Delta R.T. 0.02 min
Lab File: BF093584.D
Acq: 11 Mar 2017 23:00

Instrument :
BNA_F
ClientSampleId :
HY-SB419AMSD

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.3	19.2	28.8
138	29.3	16.0	24.0

Manual Integrations
APPROVED

mohammad
3/15/2017 5:34:13 PM

