

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
 Data File : BF093438.D
 Acq On : 8 Mar 2017 19:45
 Operator : SJ/MA
 Sample : PB97449BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Manual Integrations
 APPROVED

mohammad
 3/10/2017 8:11:50 AM

Quant Time: Mar 09 00:10:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	175581m	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	708363	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	345857	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	624481	20.00	ng	0.01
75) Chrysene-d12	13.93	240	531693	20.00	ng	0.01
86) Perylene-d12	15.34	264	397981	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	915835	86.81	ng	0.01
7) Phenol-d6	6.41	99	1062424	79.86	ng	0.00
23) Nitrobenzene-d5	7.34	82	1006005	78.80	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	207197	91.95	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1747284	93.97	ng	0.00
78) Terphenyl-d14	12.87	244	1397680	68.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.33	88	187871	32.33	ng	# 83
3) Pyridine	3.03	79	496342	33.50	ng	91
4) n-Nitrosodimethylamine	2.98	42	281533	39.79	ng	84
6) Aniline	6.42	93	457762	25.07	ng	88
8) 2-Chlorophenol	6.55	128	493052	41.71	ng	98
9) Benzaldehyde	6.32	77	81444	7.19	ng	97
10) Phenol	6.42	94	616281	37.80	ng	83
11) bis(2-Chloroethyl)ether	6.50	93	511223	38.80	ng	98
12) 1,3-Dichlorobenzene	6.70	146	525017m	38.81	ng	
13) 1,4-Dichlorobenzene	6.78	146	541728m	39.11	ng	
14) 1,2-Dichlorobenzene	6.93	146	468045	38.16	ng	96
15) Benzyl Alcohol	6.92	79	387986	40.91	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.05	45	854211	39.03	ng	87
17) 2-Methylphenol	7.04	107	405707	40.58	ng	95
18) Hexachloroethane	7.27	117	185292	39.66	ng	98
19) n-Nitroso-di-n-propylamine	7.19	70	389951	42.64	ng	98
20) 3+4-Methylphenols	7.20	107	557389	42.99	ng	# 74
22) Acetophenone	7.18	105	689637	40.46	ng	# 97
24) Nitrobenzene	7.36	77	576276	40.16	ng	90
25) Isophorone	7.60	82	1040536	40.42	ng	98
26) 2-Nitrophenol	7.68	139	270892	41.38	ng	# 87
27) 2,4-Dimethylphenol	7.73	122	473415	44.45	ng	94
28) bis(2-Chloroethoxy)methane	7.81	93	630881	38.82	ng	98
29) 2,4-Dichlorophenol	7.92	162	429478	42.87	ng	85
30) 1,2,4-Trichlorobenzene	8.00	180	426217	40.00	ng	97
31) Naphthalene	8.07	128	1314197	37.02	ng	99
32) Benzoic acid	7.89	122	226943	41.01	ng	98
33) 4-Chloroaniline	8.14	127	289155	20.07	ng	97
34) Hexachlorobutadiene	8.18	225	214853	39.15	ng	98
35) Caprolactam	8.52	113	151230m	44.20	ng	
36) 4-Chloro-3-methylphenol	8.63	107	440567	41.20	ng	93
37) 2-Methylnaphthalene	8.77	142	925943	41.00	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	401875	42.55	ng	99
40) Hexachlorocyclopentadiene	8.92	237	218060	89.77	ng	97

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
 Data File : BF093438.D
 Acq On : 8 Mar 2017 19:45
 Operator : SJ/MA
 Sample : PB97449BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

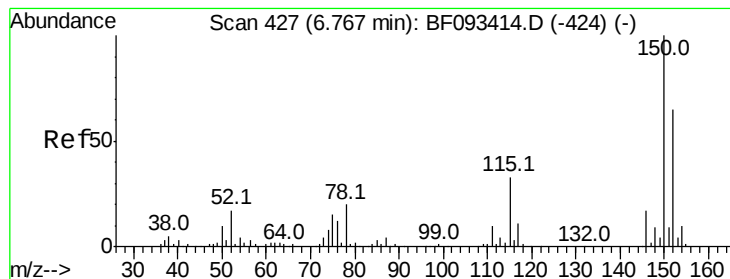
Manual Integrations
 APPROVED

mohammad
 3/10/2017 8:11:50 AM

Quant Time: Mar 09 00:10:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	272250	46.14	nq	91
43) 2,4,5-Trichlorophenol	9.11	196	265424	41.92	nq #	86
45) 1,1'-Biphenyl	9.22	154	1071935	42.55	nq	95
46) 2-Chloronaphthalene	9.26	162	888412	46.07	nq	97
47) 2-Nitroaniline	9.36	65	312054	45.77	nq	93
48) Acenaphthylene	9.67	152	1353539	42.56	nq	98
49) Dimethylphthalate	9.53	163	1022741	44.61	nq	98
50) 2,6-Dinitrotoluene	9.60	165	215962	42.92	nq #	44
51) Acenaphthene	9.84	154	832641	44.27	nq	97
52) 3-Nitroaniline	9.77	138	154967	25.64	nq	91
53) 2,4-Dinitrophenol	9.90	184	218544	95.38	nq #	61
54) Dibenzofuran	10.01	168	1145851	48.67	nq	97
55) 4-Nitrophenol	9.97	139	267944	91.27	nq	91
56) 2,4-Dinitrotoluene	10.02	165	275218	44.53	nq #	65
57) Fluorene	10.36	166	927541	46.50	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.14	232	221152	49.49	nq	99
59) Diethylphthalate	10.23	149	915631	41.78	nq	99
60) 4-Chlorophenyl-phenylether	10.34	204	418017	46.75	nq	89
61) 4-Nitroaniline	10.40	138	269697	43.63	nq	82
62) Azobenzene	10.50	77	1235491	49.62	nq	97
64) 4,6-Dinitro-2-methylphenol	10.44	198	163179	40.33	nq	88
65) n-Nitrosodiphenylamine	10.47	169	830936	39.85	nq	99
66) 4-Bromophenyl-phenylether	10.84	248	262777	39.79	nq #	88
67) Hexachlorobenzene	10.90	284	251798	39.93	nq	94
68) Atrazine	11.00	200	250819	41.10	nq	99
69) Pentachlorophenol	11.11	266	197594	90.76	nq	98
70) Phenanthrene	11.32	178	1342314	37.66	nq	99
71) Anthracene	11.37	178	1470523	40.78	nq	98
72) Carbazole	11.53	167	1336721	39.46	nq	98
73) Di-n-butylphthalate	11.85	149	1648464	42.06	nq #	97
74) Fluoranthene	12.50	202	1354520	39.34	nq	98
76) Benzidine	12.63	184	514215	29.41	nq	97
77) Pyrene	12.73	202	1393063	36.03	nq	99
79) Butylbenzylphthalate	13.35	149	716262	44.00	nq #	83
80) Benzo(a)anthracene	13.92	228	1148272	36.57	nq	99
81) 3,3'-Dichlorobenzidine	13.89	252	306000	27.83	nq #	95
82) Chrysene	13.96	228	1010015	34.77	nq	100
83) Bis(2-ethylhexyl)phthalate	13.90	149	927387	40.87	nq	100
84) Di-n-octyl phthalate	14.52	149	1608409	42.53	nq	98
85) Indeno(1,2,3-cd)pyrene	16.72	276	834543	34.32	nq #	93
87) Benzo(b)fluoranthene	14.95	252	1131015m	46.66	nq	
88) Benzo(k)fluoranthene	14.97	252	819021m	35.04	nq	
89) Benzo(a)pyrene	15.29	252	923788	41.70	nq	98
90) Dibenzo(a,h)anthracene	16.72	278	706226	38.54	nq	96
91) Benzo(g,h,i)perylene	17.13	276	733683	39.01	nq #	92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.76 min Scan# 426

Delta R.T. -0.01 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Instrument :

BNA_F

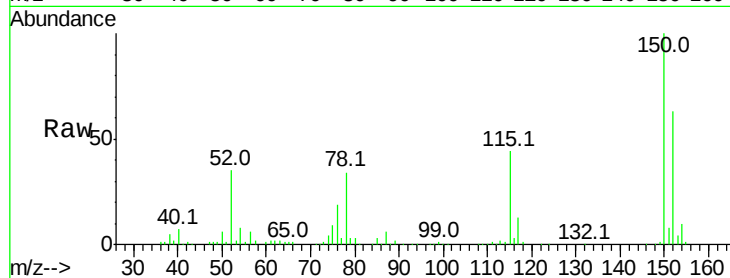
ClientSampleID :

PB97449BSD

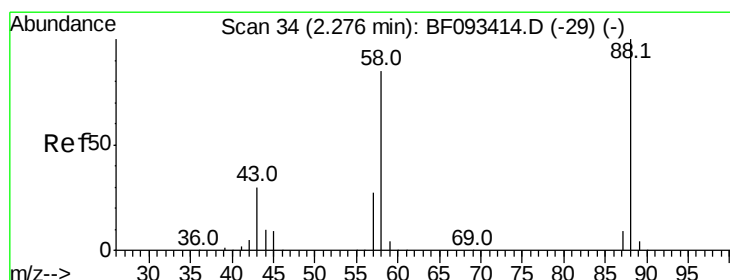
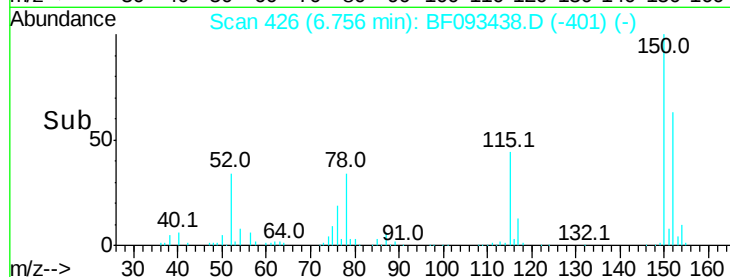
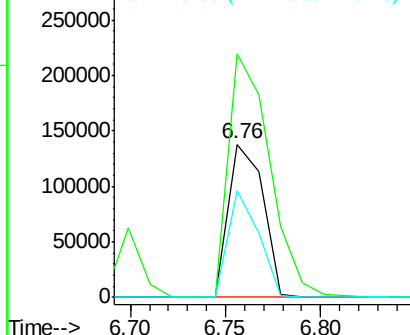
Tot Ion:	152	Resp:	175581
Ion Ratio	Lower	Upper	
152	100		
150	159.0	124.9	187.3
115	69.8	46.0	69.0

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM



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



#2

1,4-Dioxane

Concen: 32.33 ng

RT: 2.33 min Scan# 39

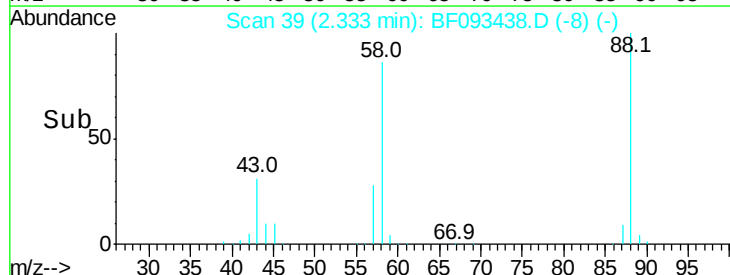
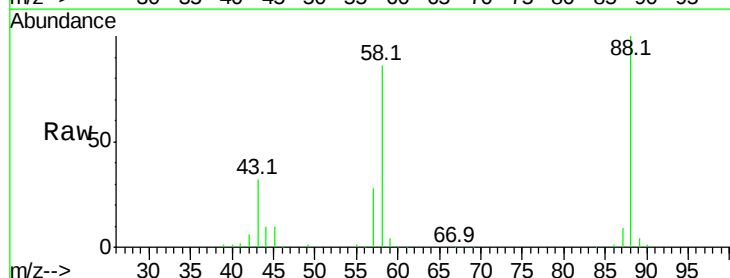
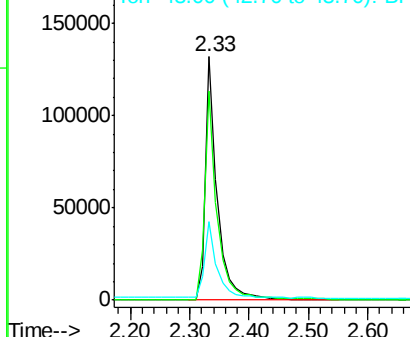
Delta R.T. 0.06 min

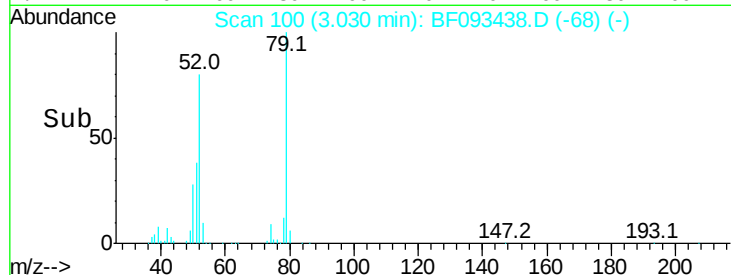
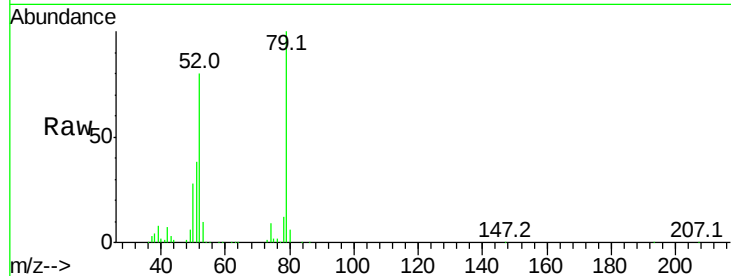
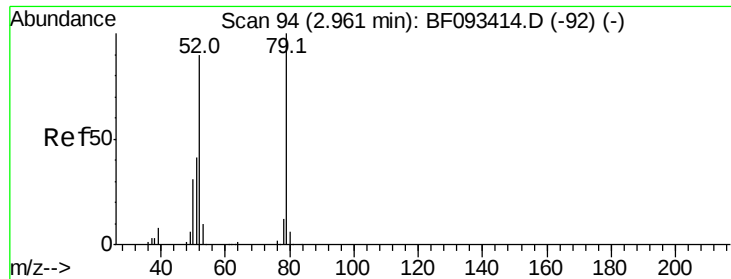
Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tgt Ion:	88	Resp:	187871
Ion Ratio	Lower	Upper	
88	100		
58	88.7	57.8	86.8
43	32.8	22.3	33.5

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





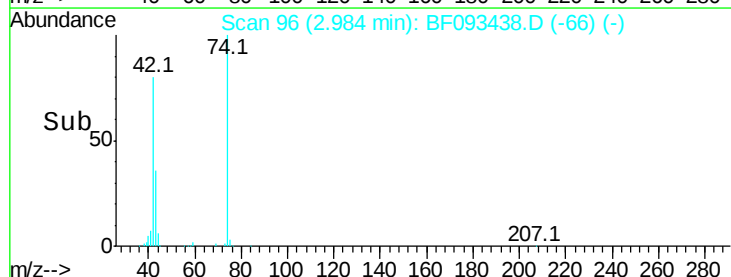
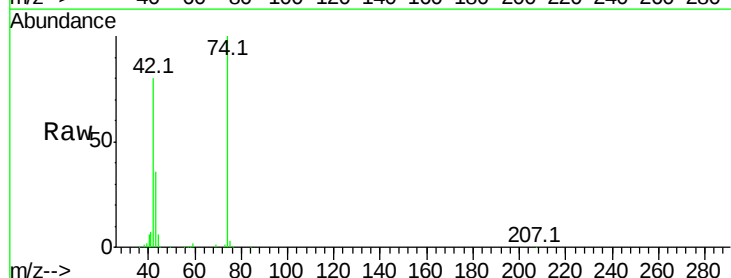
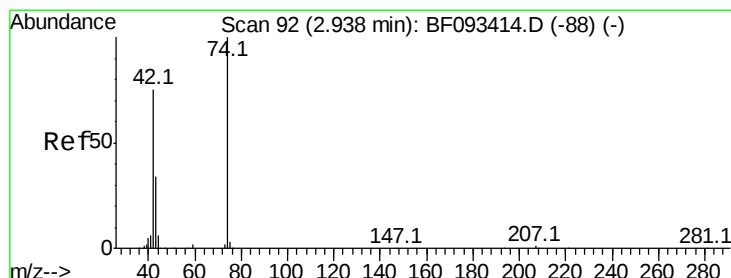
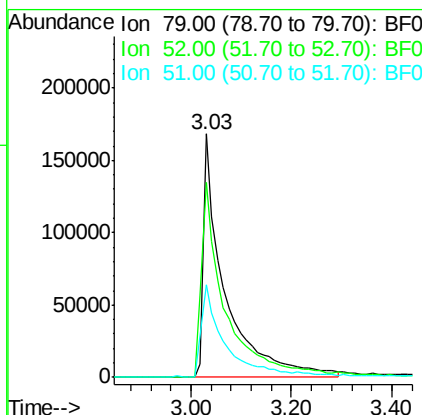
#3
Pvridine
Concen: 33.50 ng
RT: 3.03 min Scan# 100
Delta R.T. 0.07 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tot Ion	Ion	Ratio	Lower	Upper
79	79	100		
52	52	79.9	57.1	85.7
51	51	37.8	27.3	40.9

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

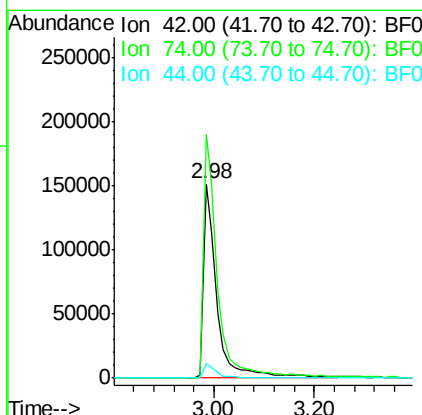
Manual Integrations
APPROVED

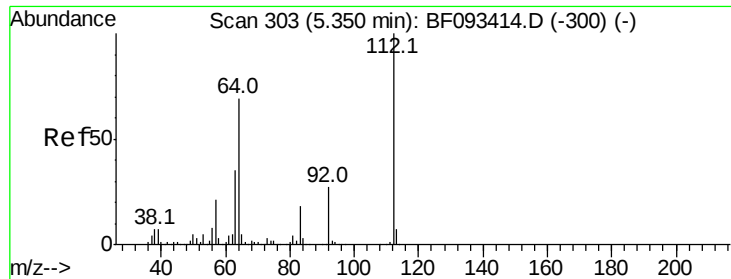
mohammad
3/10/2017 8:11:50 AM



#4
n-Nitrosodimethylamine
Concen: 39.79 ng
RT: 2.98 min Scan# 96
Delta R.T. 0.05 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ion	Ratio	Lower	Upper
42	42	100		
74	74	125.7	117.0	175.4
44	44	7.7	5.5	8.3





#5

2-Fluorophenol

Concen: 86.81 ng

RT: 5.36 min Scan# 304

Delta R.T. 0.01 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Instrument :

BNA_F

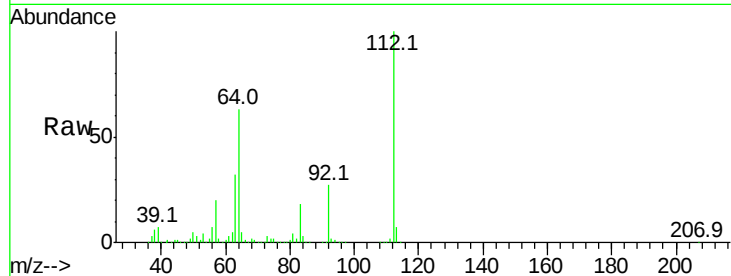
ClientSampleId :

PB97449BSD

Tot Ion:	112	Resp:	915835
Ion Ratio	Lower	Upper	
112	100		
64	63.1	46.1	69.1
63	32.1	23.8	35.6

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM



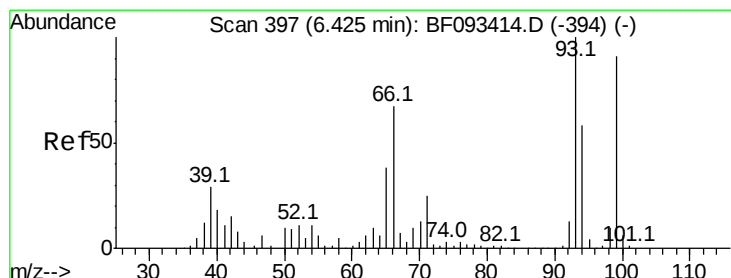
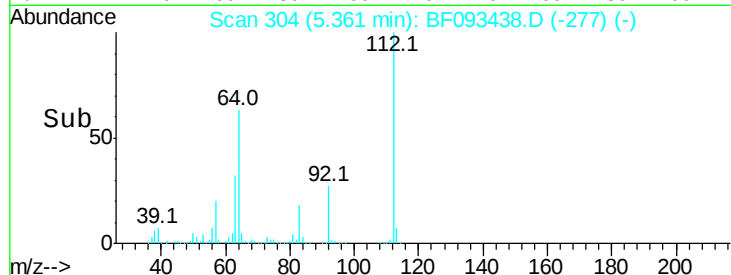
Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

5.36

Time-->



#6

Aniline

Concen: 25.07 ng

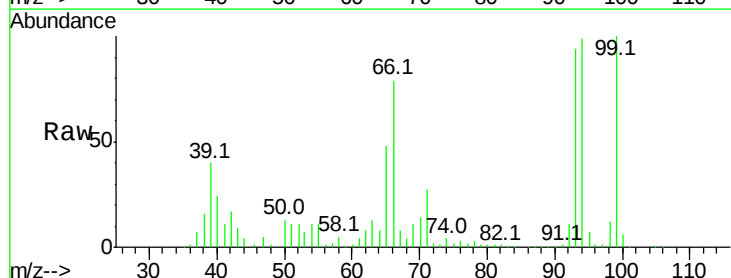
RT: 6.42 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tgt Ion:	93	Resp:	457762
Ion Ratio	Lower	Upper	
93	100		
66	84.6	76.2	114.2
65	51.3	49.3	73.9



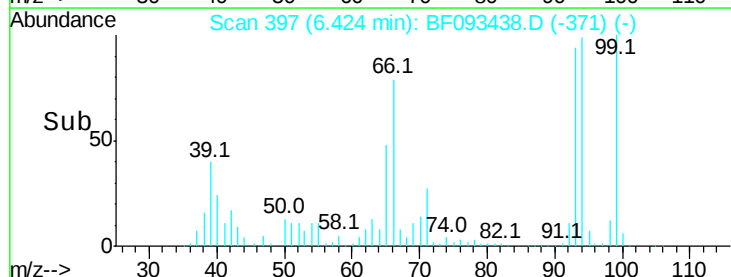
Abundance Ion 93.00 (92.70 to 93.70): BF0

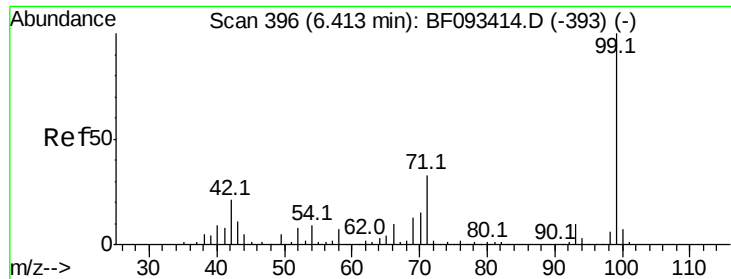
Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

6.42

Time-->





#7

Phenol-d6

Concen: 79.86 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Instrument :

BNA_F

ClientSampleId :

PB97449BSD

Tot Ion: 99 Resp: 1062424

Ion Ratio Lower Upper

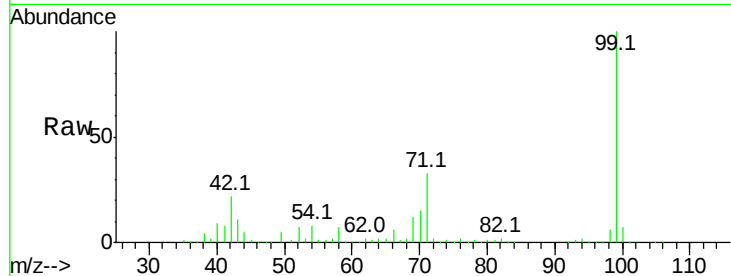
99 100

42 21.6 15.6 23.4

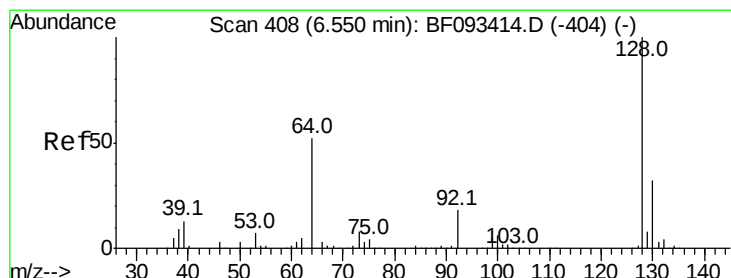
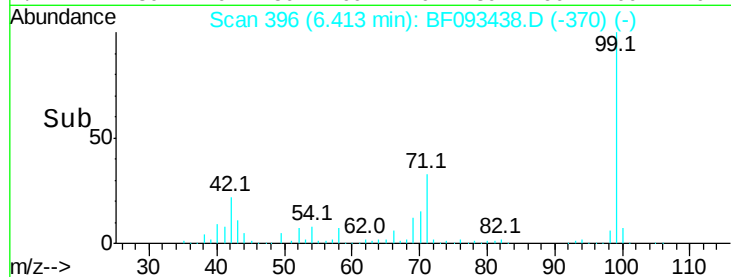
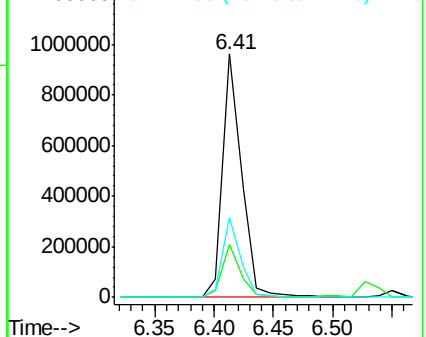
71 32.7 27.5 41.3

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM



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



#8

2-Chlorophenol

Concen: 41.71 ng

RT: 6.55 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

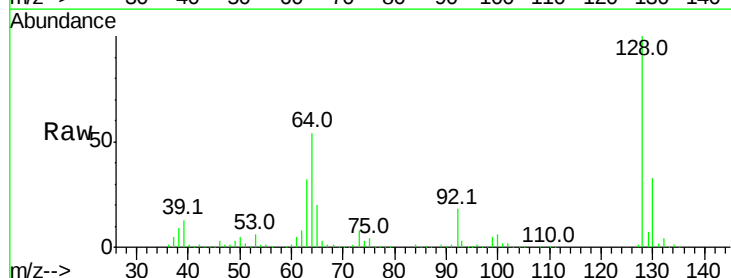
Tgt Ion: 128 Resp: 493052

Ion Ratio Lower Upper

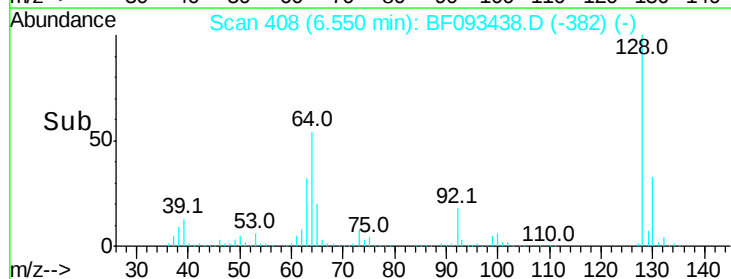
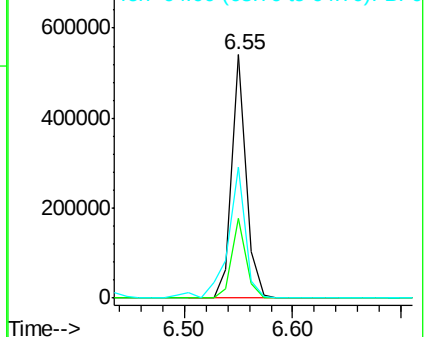
128 100

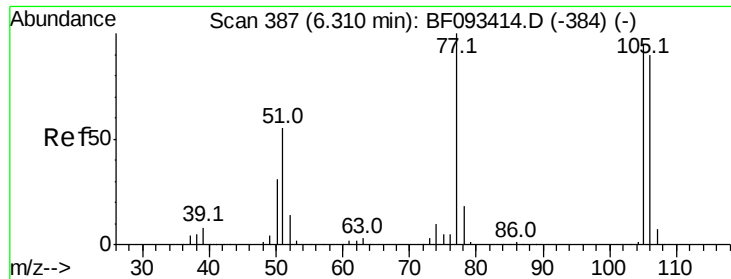
130 32.7 12.3 52.3

64 53.7 32.2 72.2



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





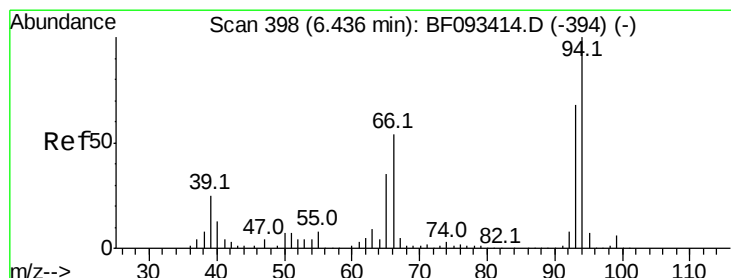
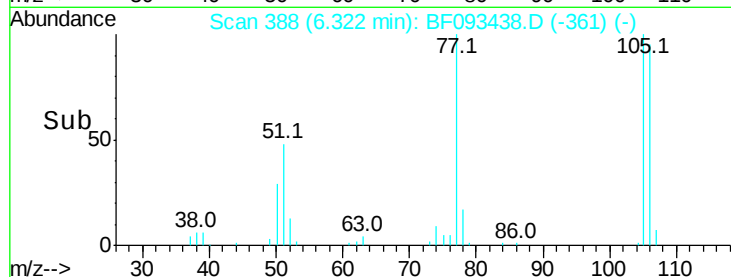
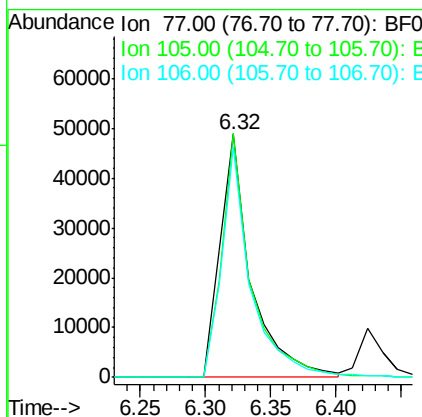
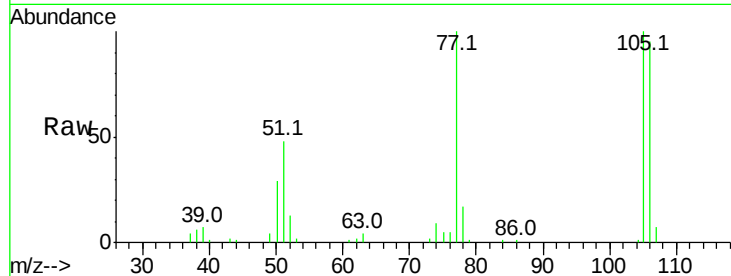
#9
Benzaldehydve
Concen: 7.19 ng
RT: 6.32 min Scan# 388
Delta R.T. 0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion: 77 Resp: 81444
Ion Ratio Lower Upper
77 100
105 99.9 83.9 123.9
106 94.6 77.6 117.6

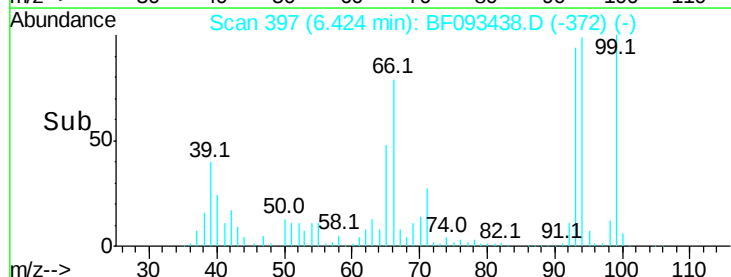
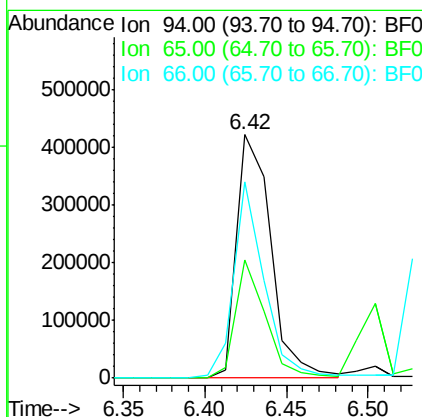
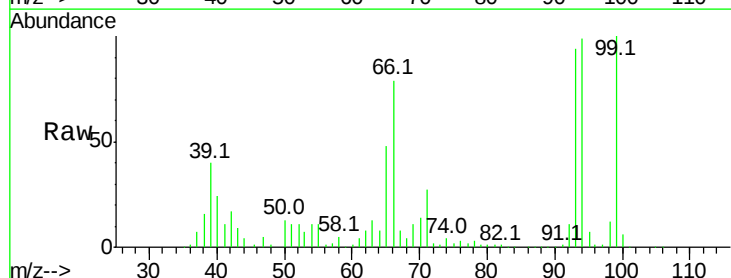
Manual Integrations
APPROVED

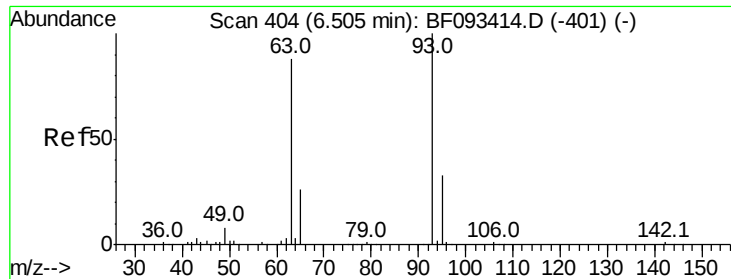
mohammad
3/10/2017 8:11:50 AM



#10
Phenol
Concen: 37.80 ng
RT: 6.42 min Scan# 397
Delta R.T. -0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion: 94 Resp: 616281
Ion Ratio Lower Upper
94 100
65 48.7 21.4 61.4
66 80.4 44.0 84.0





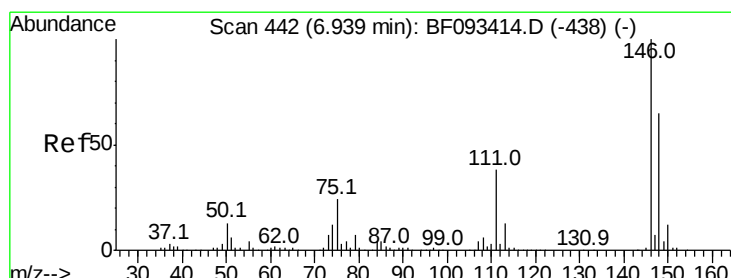
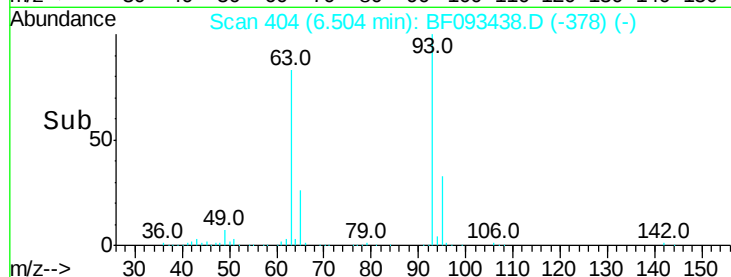
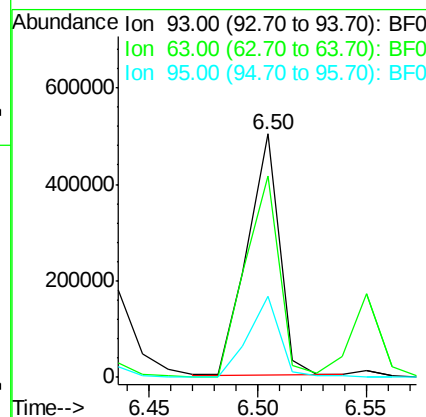
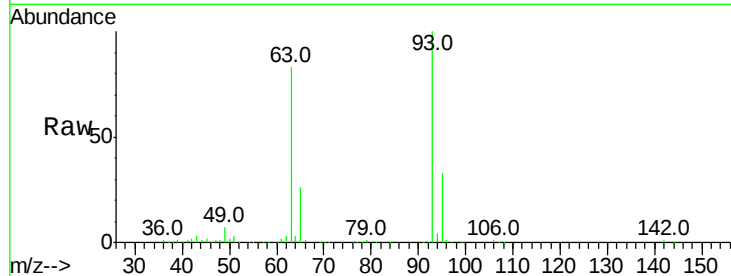
#11
bis(2-Chloroethyl)ether
Concen: 38.80 ng
RT: 6.50 min Scan# 404
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	82.9	60.4	100.4
95	33.1	12.8	52.8

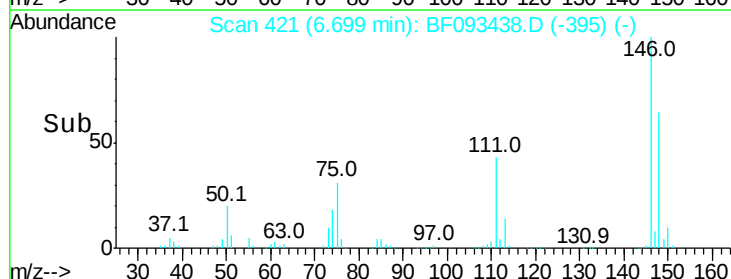
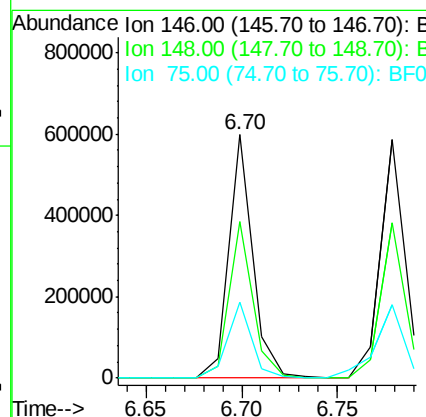
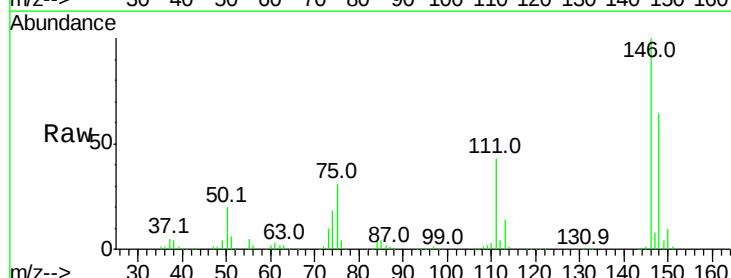
Manual Integrations
APPROVED

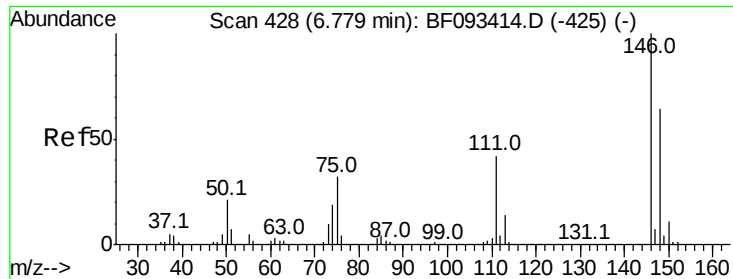
mohammad
3/10/2017 8:11:50 AM



#12
1,3-Dichlorobenzene
Concen: 38.81 ng m
RT: 6.70 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	53.4	80.0
75	31.4	18.5	27.7





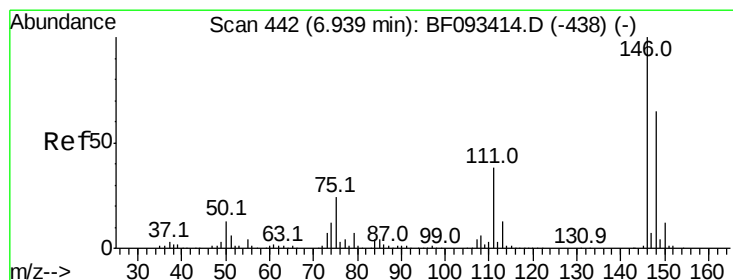
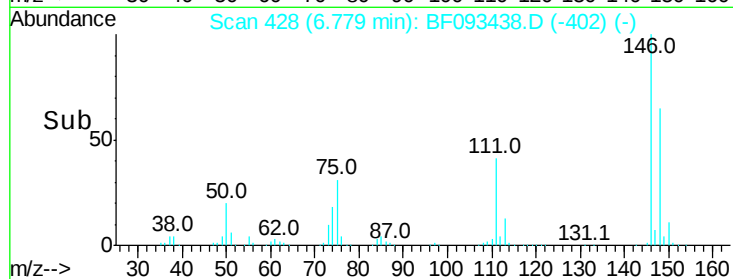
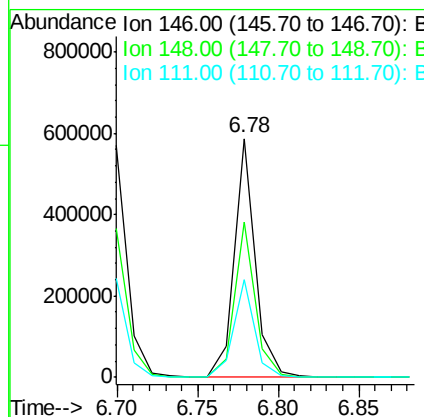
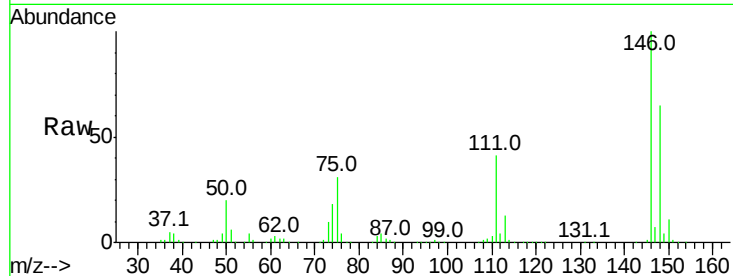
#13
 1,4-Dichlorobenzene
 Concen: 39.11 ng/mL
 RT: 6.78 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.6	76.0
111	40.8	36.2	54.4

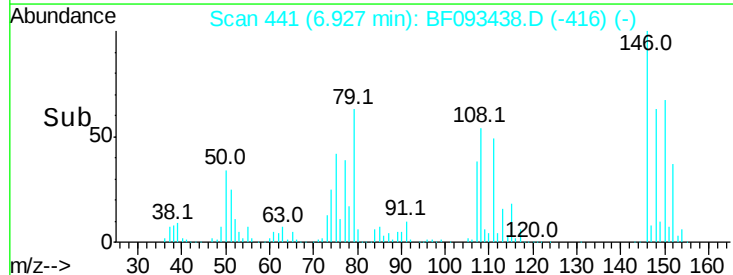
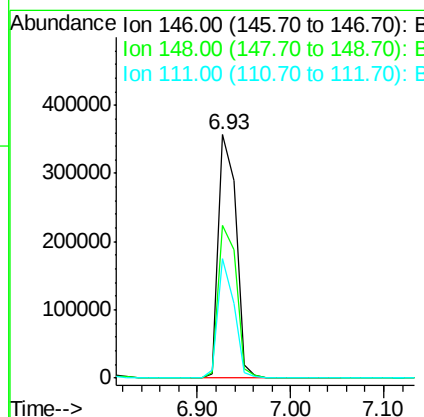
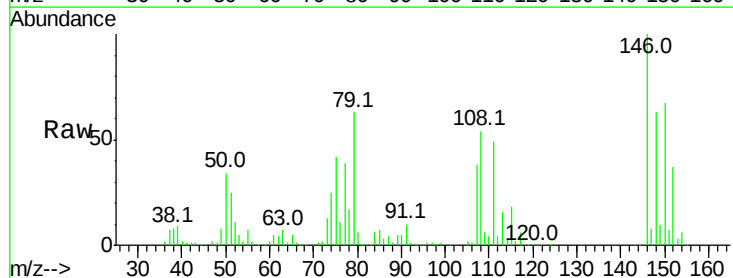
Manual Integrations
 APPROVED

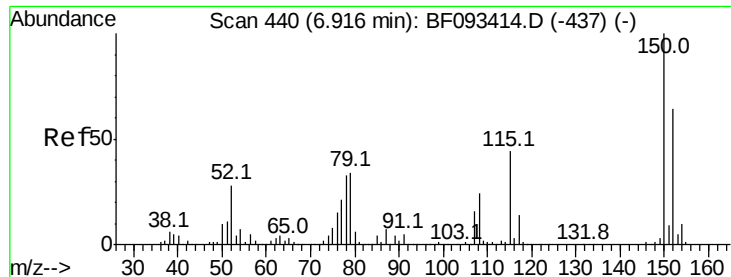
mohammad
 3/10/2017 8:11:50 AM



#14
 1,2-Dichlorobenzene
 Concen: 38.16 ng/mL
 RT: 6.93 min Scan# 441
 Delta R.T. -0.01 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	52.2	78.2
111	49.0	36.2	54.2





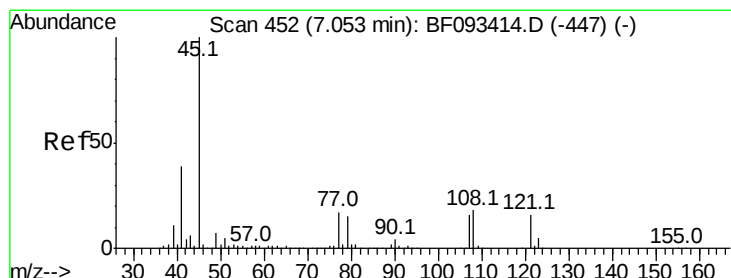
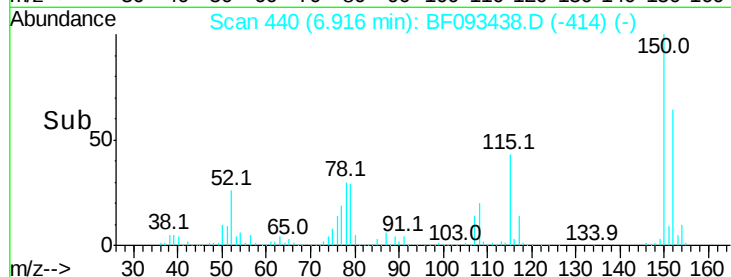
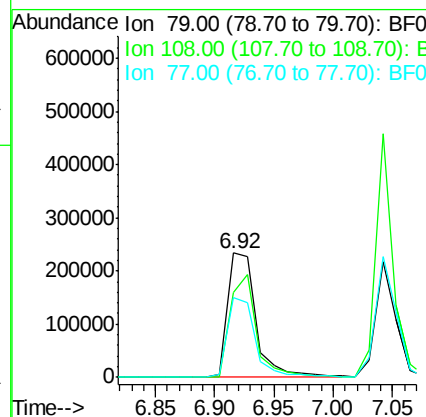
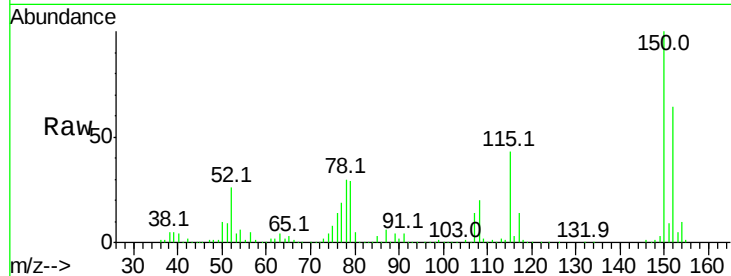
#15
Benzyl Alcohol
Concen: 40.91 ng
RT: 6.92 min Scan# 440
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	68.5	61.4	92.0
77	64.2	50.9	76.3

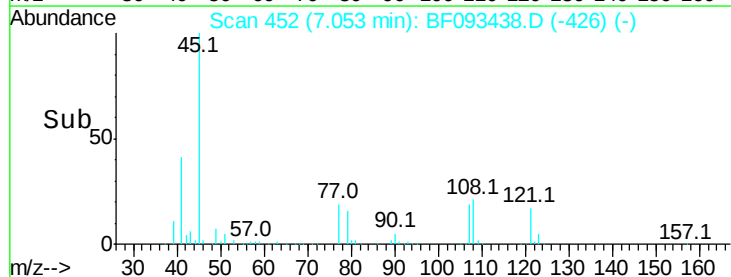
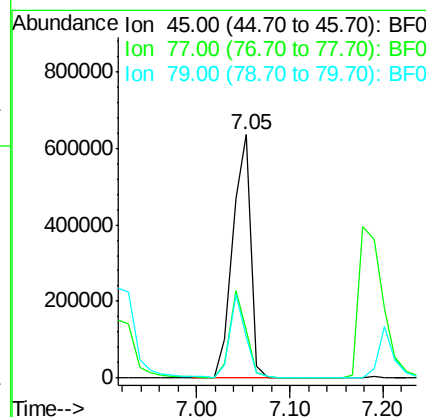
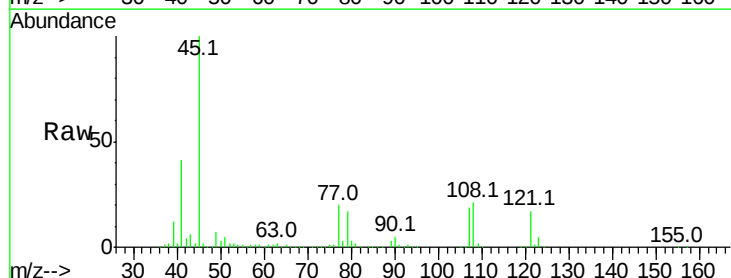
Manual Integrations
APPROVED

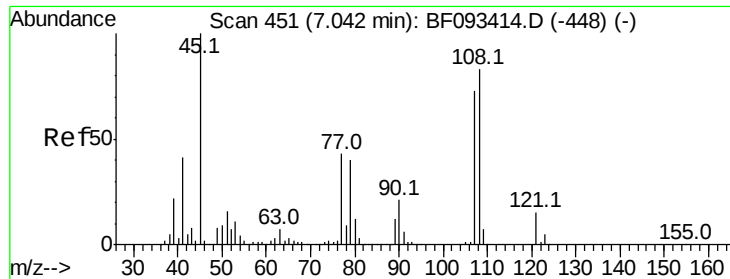
mohammad
3/10/2017 8:11:50 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.03 ng
RT: 7.05 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
45	100		
77	19.6	0.0	34.6
79	17.0	0.0	31.2





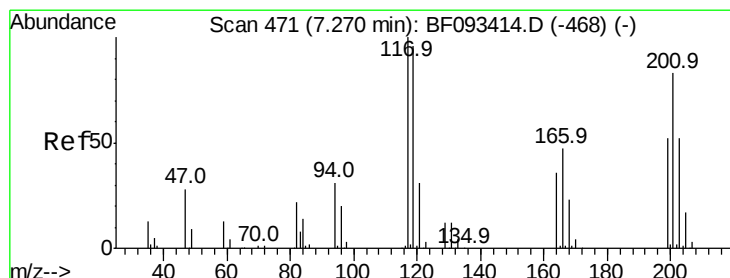
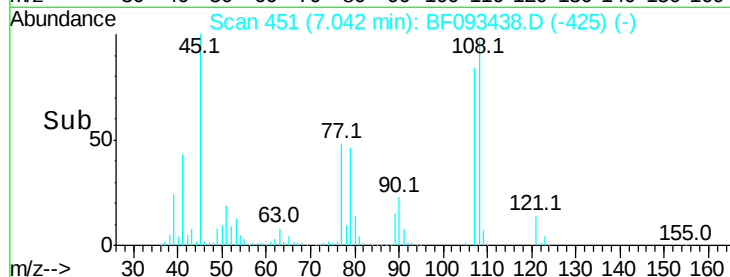
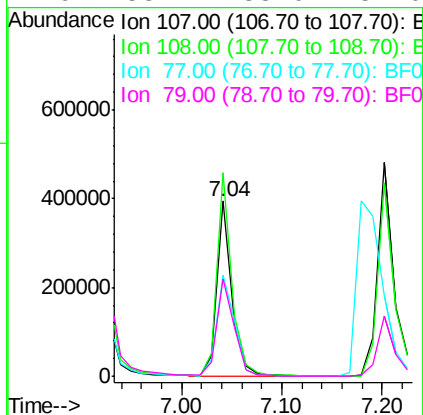
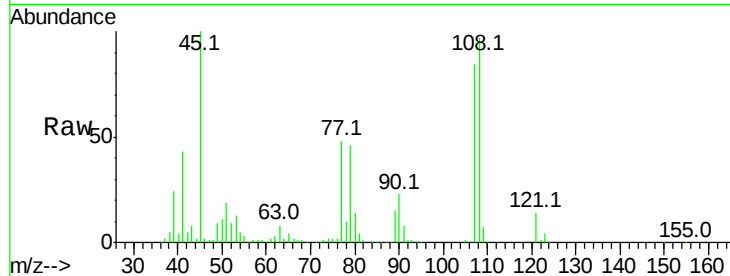
#17
2-Methylphenol
Concen: 40.58 ng
RT: 7.04 min Scan# 451
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.9	93.0	139.6	
77	57.5	39.8	59.8	
79	55.2	38.0	57.0	

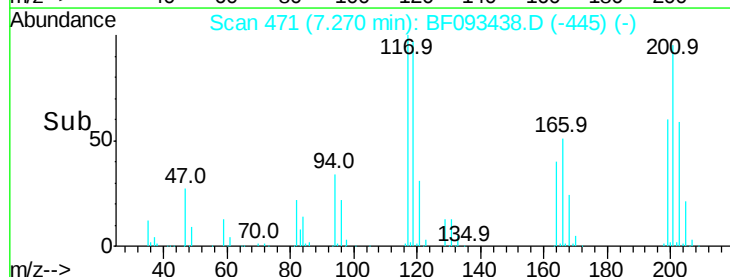
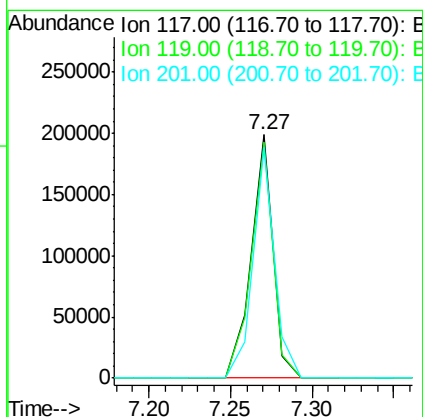
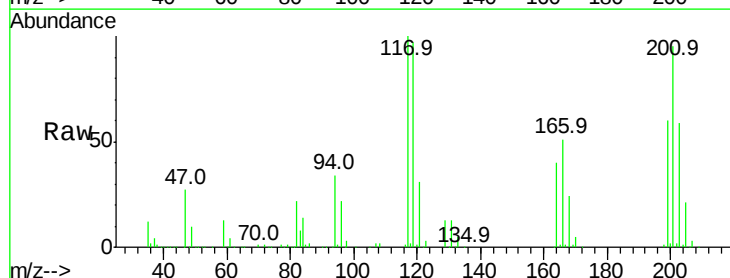
Manual Integrations
APPROVED

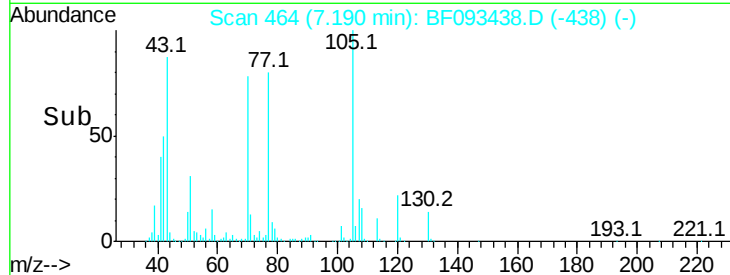
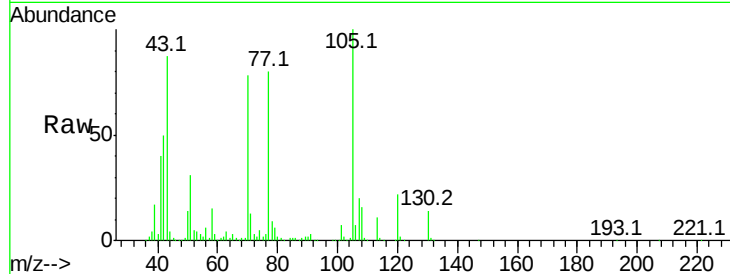
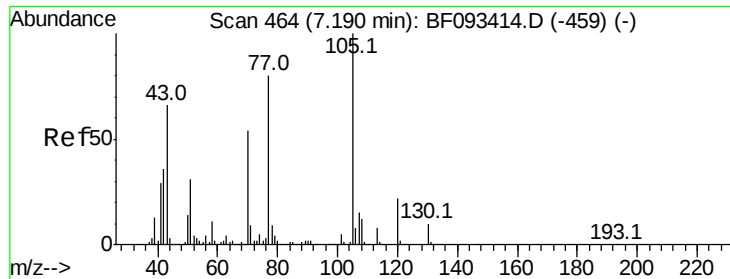
mohammad
3/10/2017 8:11:50 AM



#18
Hexachloroethane
Concen: 39.66 ng
RT: 7.27 min Scan# 471
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	78.1	117.1	
201	94.8	78.6	117.8	





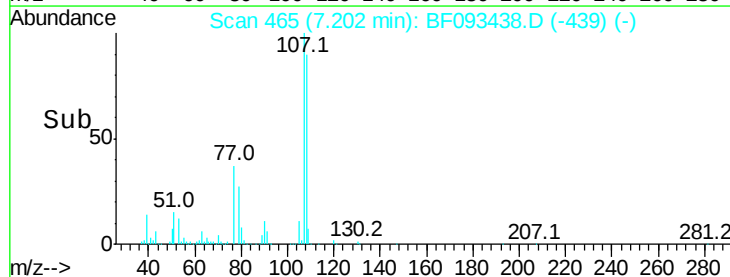
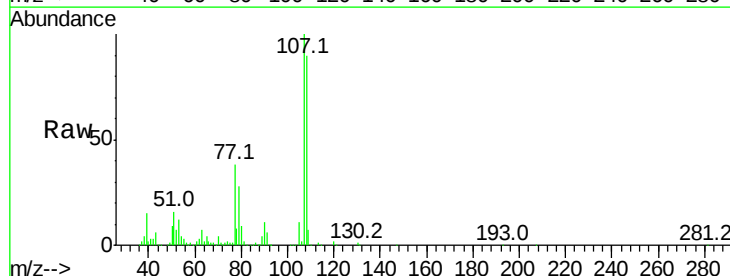
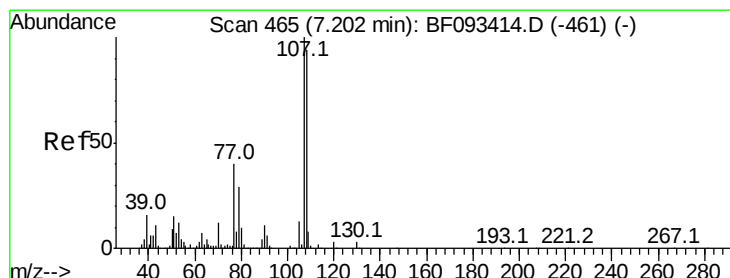
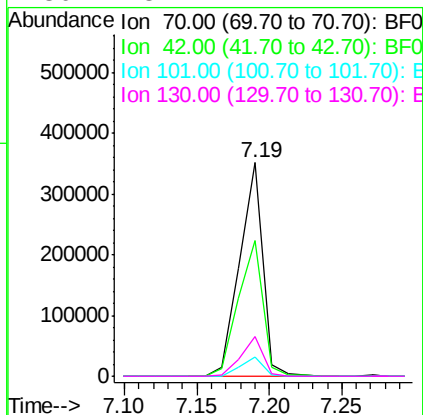
#19
n-Nitroso-di-n-propylamine
Concen: 42.64 ng
RT: 7.19 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	63.4	49.4	74.0	
101	9.2	7.4	11.2	
130	18.4	14.2	21.4	

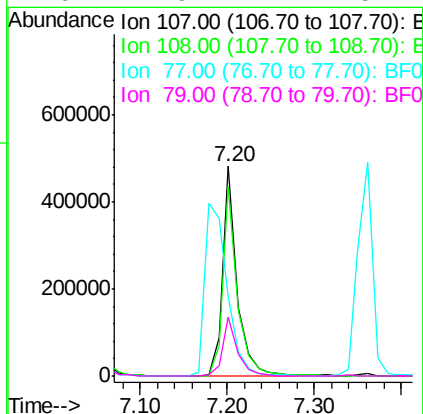
Manual Integrations
APPROVED

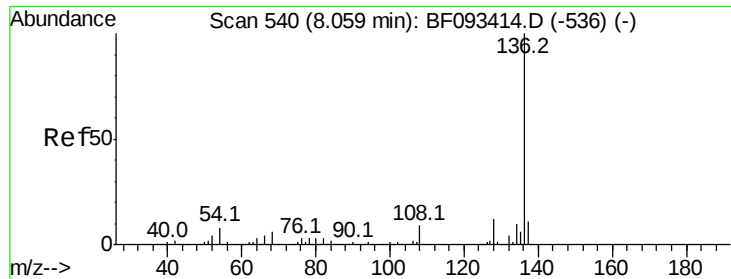
mohammad
3/10/2017 8:11:50 AM



#20
3+4-Methylphenols
Concen: 42.99 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	90.4	73.0	113.0	
77	37.7	71.3	111.3#	
79	27.9	11.1	51.1	





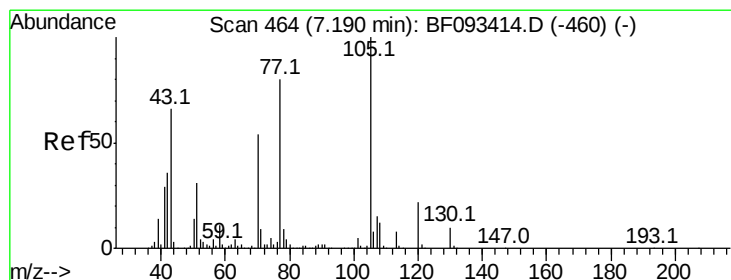
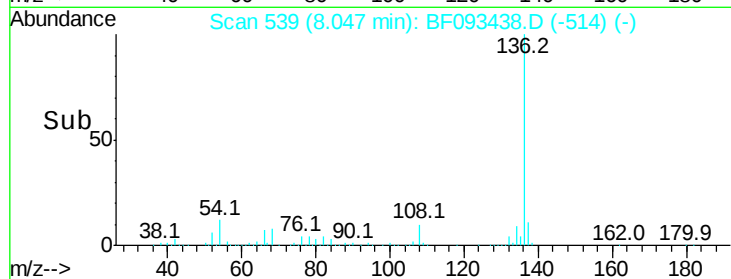
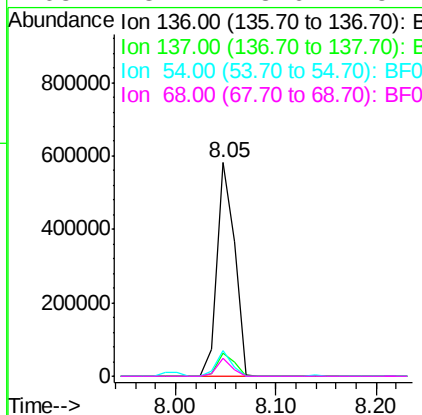
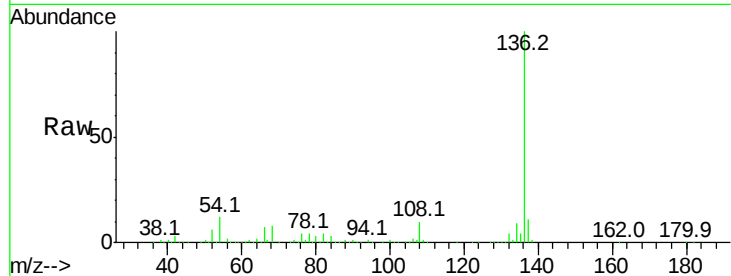
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	708363		
137	11.1		8.4	12.6
54	11.8		4.5	6.7#
68	8.1		3.6	5.4#

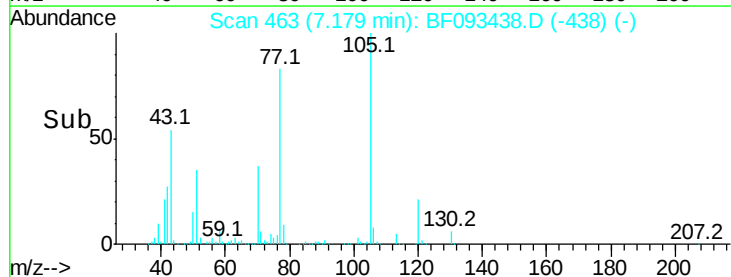
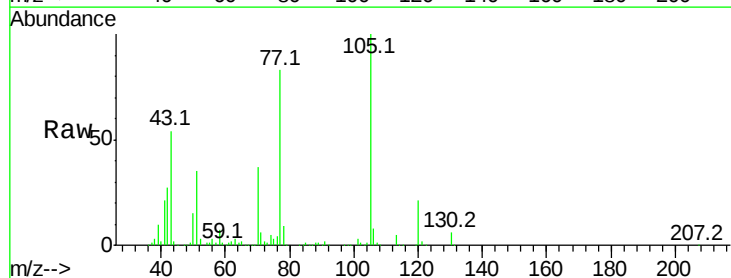
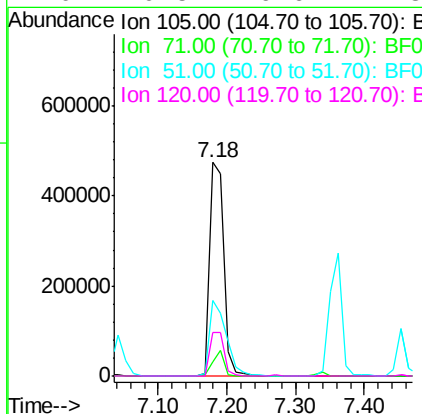
Manual Integrations
APPROVED

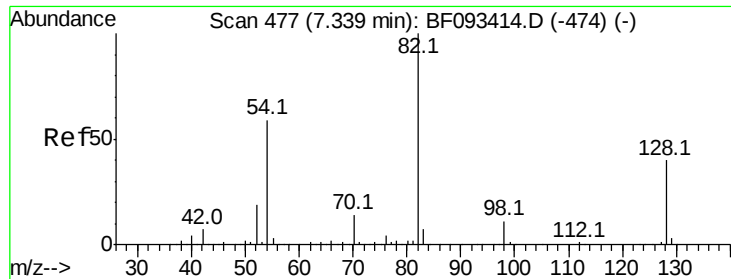
mohammad
3/10/2017 8:11:50 AM



#22
Acetophenone
Concen: 40.46 ng
RT: 7.18 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	689637		
71	6.4		3.2	4.8#
51	35.2		26.2	39.4
120	20.5		16.6	24.8





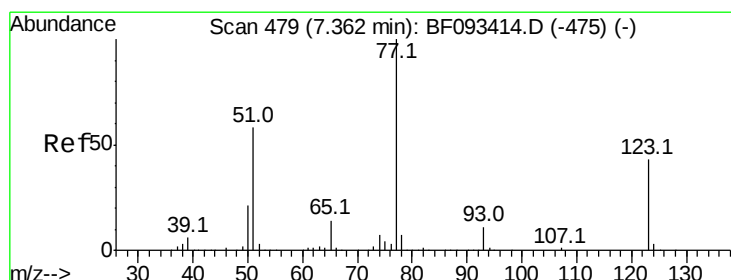
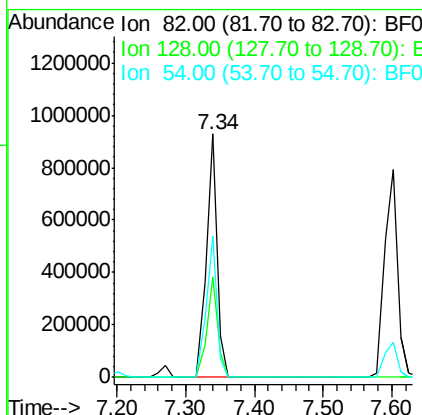
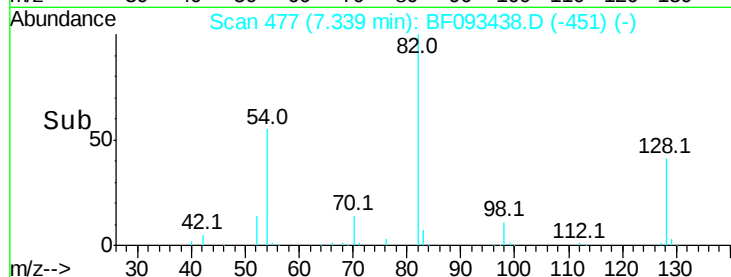
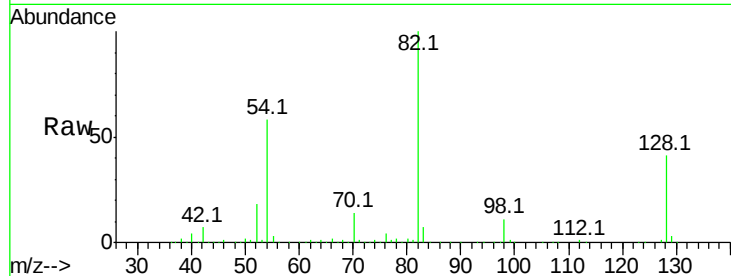
#23
 Nitrobenzene-d5
 Concen: 78.80 ng
 RT: 7.34 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Tot Ion: 82 Resp: 1006005
 Ion Ratio Lower Upper
 82 100
 128 41.4 34.6 52.0
 54 58.0 39.5 59.3

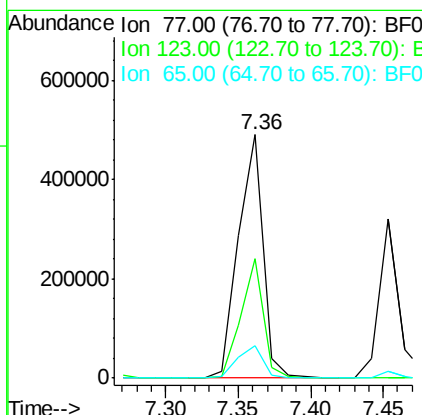
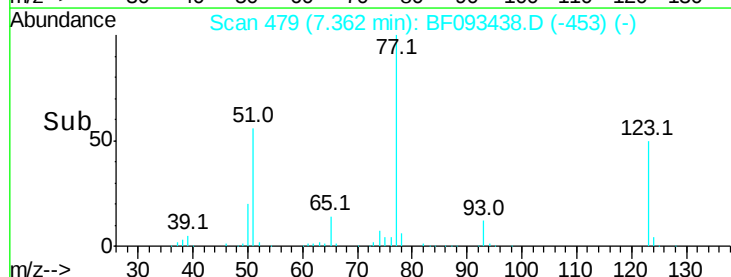
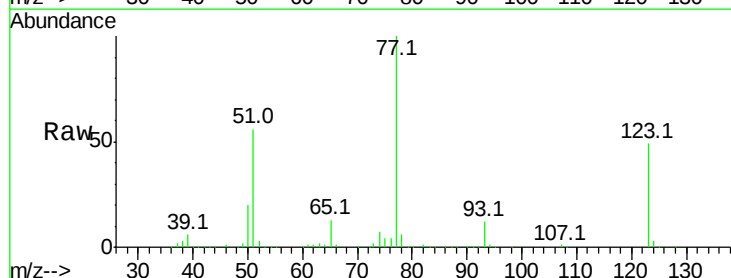
Manual Integrations
 APPROVED

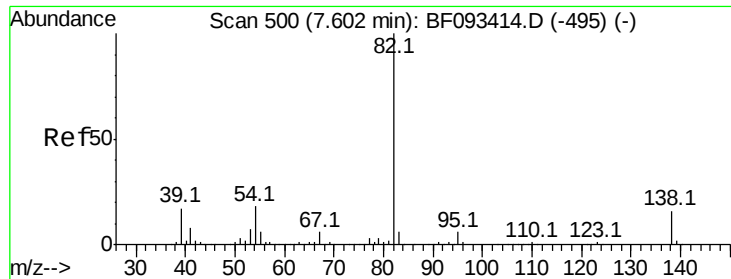
mohammad
 3/10/2017 8:11:50 AM



#24
 Nitrobenzene
 Concen: 40.16 ng
 RT: 7.36 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion: 77 Resp: 576276
 Ion Ratio Lower Upper
 77 100
 123 48.9 33.0 49.4
 65 13.3 11.2 16.8





#25

Isophorone

Concen: 40.42 ng

RT: 7.60 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Instrument :

BNA_F

ClientSampleId :

PB97449BSD

Tot Ion: 82 Resp: 1040536

Ion Ratio Lower Upper

82 100

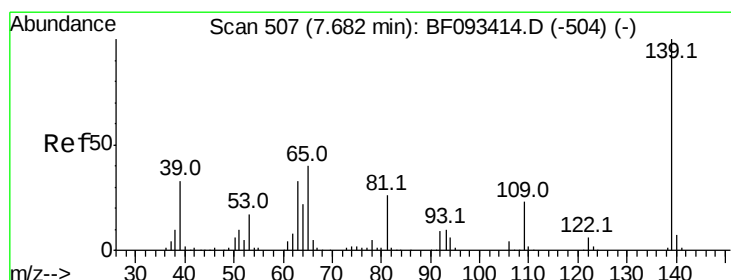
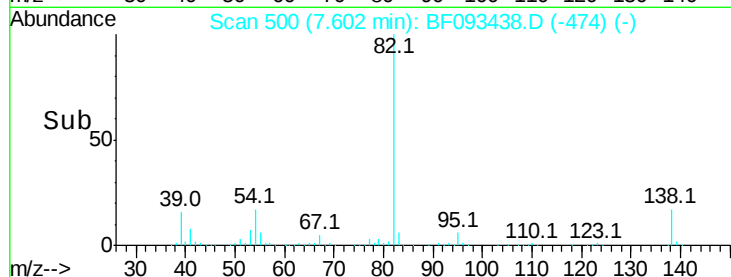
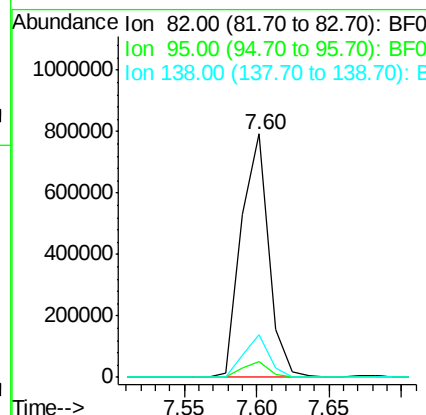
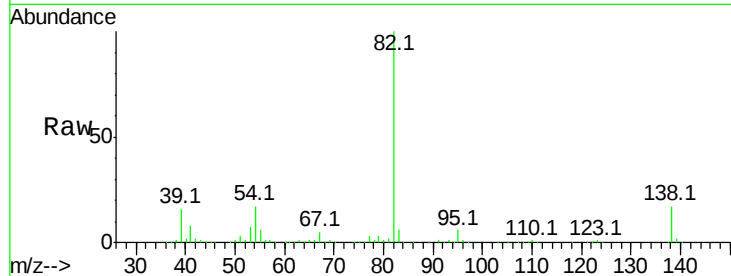
95 6.4 5.6 8.4

138 17.3 14.6 22.0

Manual Integrations
APPROVED

mohammad

3/10/2017 8:11:50 AM



#26

2-Nitrophenol

Concen: 41.38 ng

RT: 7.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

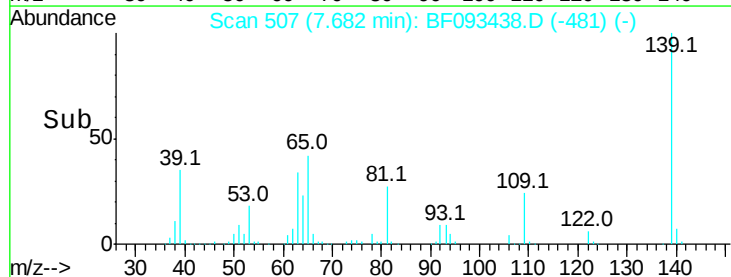
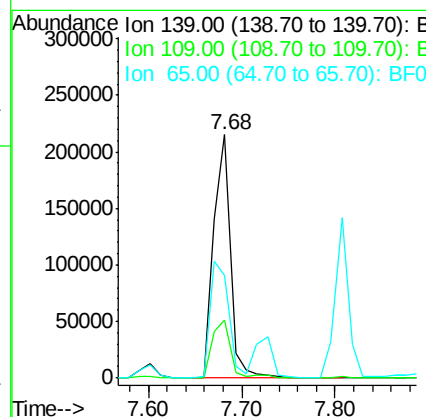
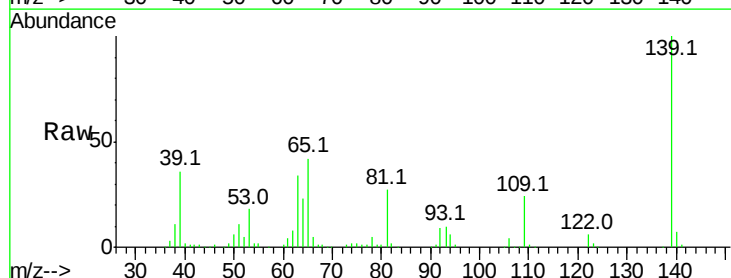
Tgt Ion: 139 Resp: 270892

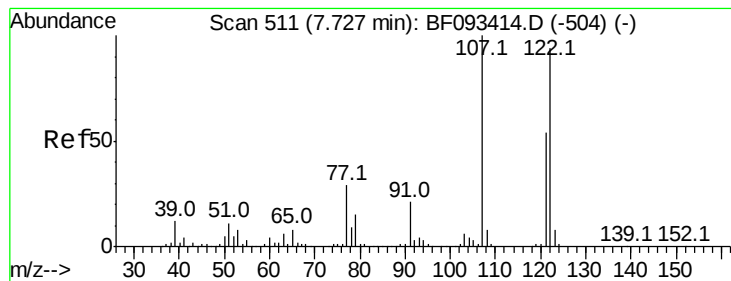
Ion Ratio Lower Upper

139 100

109 24.0 23.3 34.9

65 42.3 42.7 64.1#





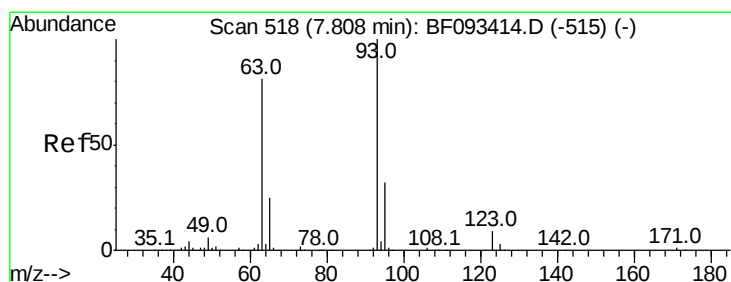
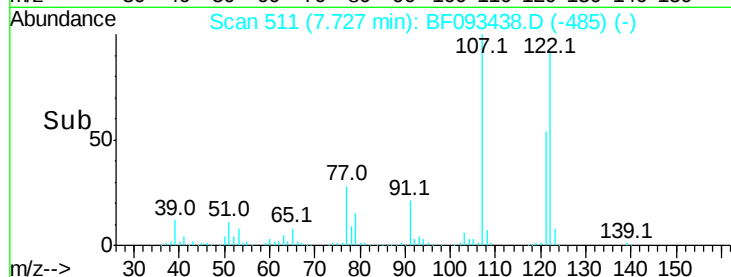
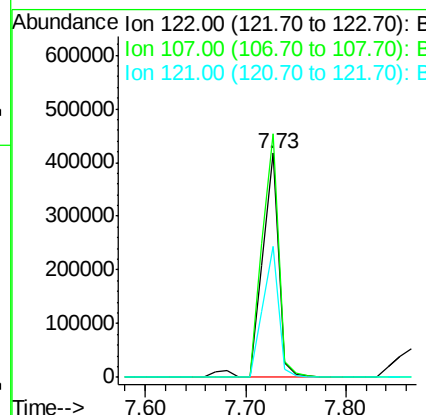
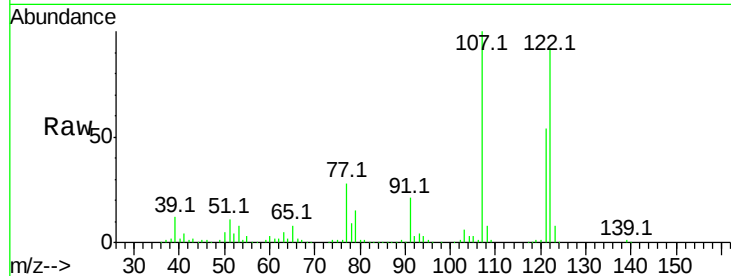
#27
 2,4-Dimethylphenol
 Concen: 44.45 ng
 RT: 7.73 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	108.6	94.1	141.1
121	58.2	46.0	69.0

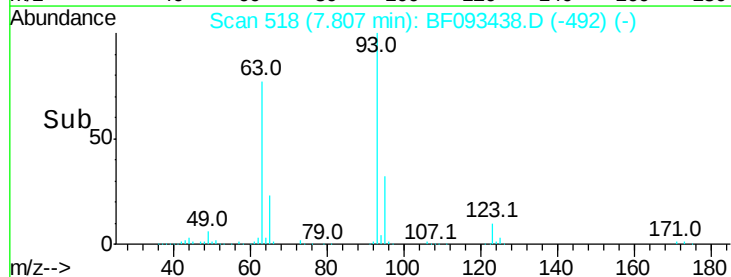
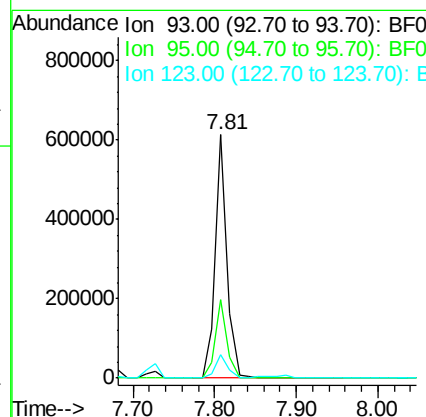
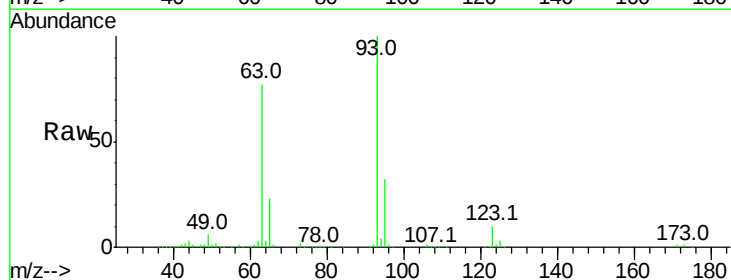
Manual Integrations
 APPROVED

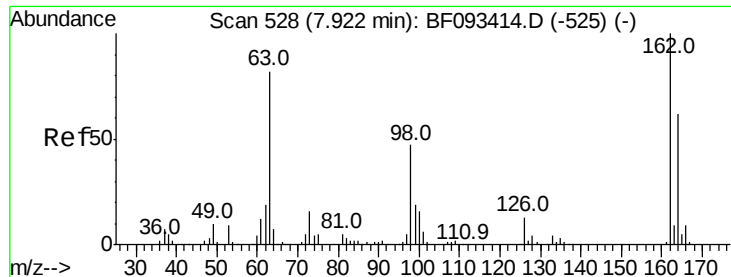
mohammad
 3/10/2017 8:11:50 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 38.82 ng
 RT: 7.81 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	9.6	8.6	13.0





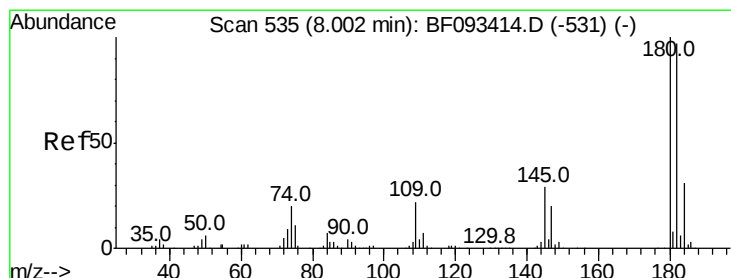
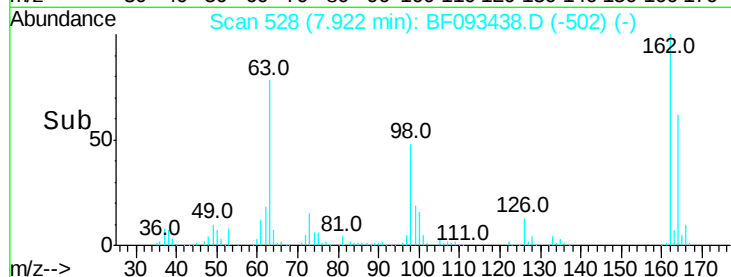
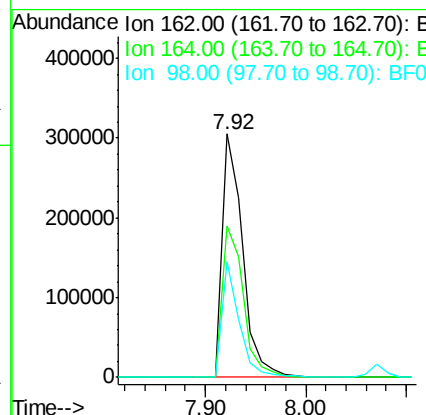
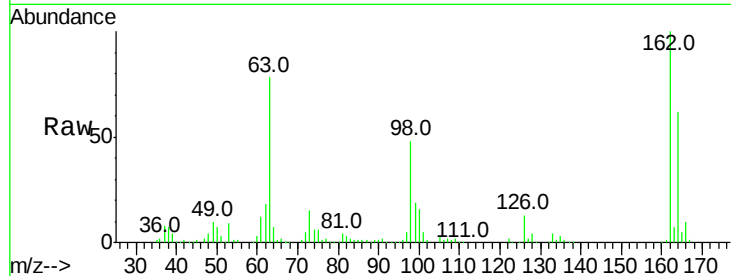
#29
 2,4-Dichlorophenol
 Concen: 42.87 ng
 RT: 7.92 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	429478		
164	62.2	46.8	86.8	
98	47.7	9.1	49.1	

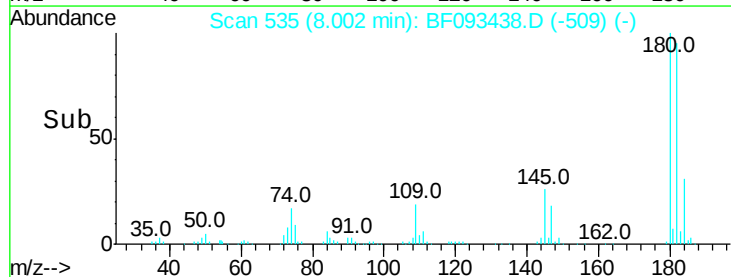
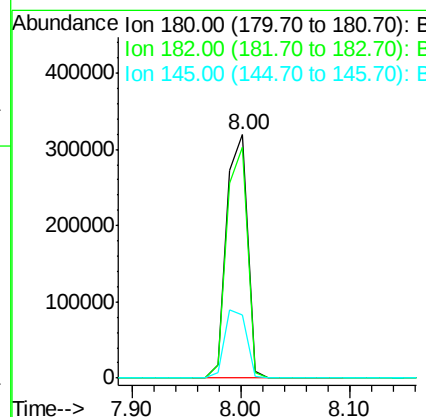
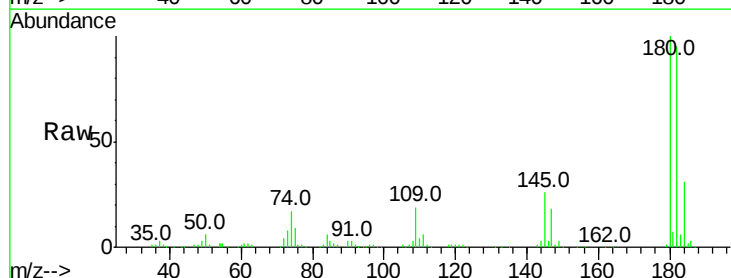
Manual Integrations
 APPROVED

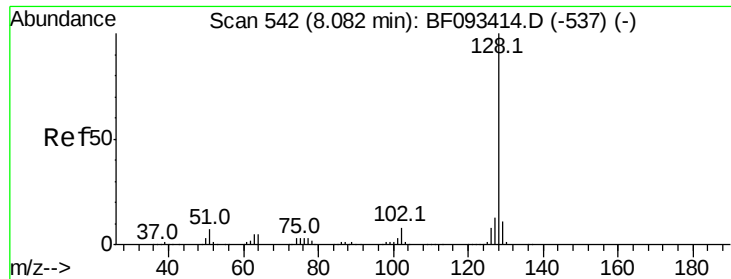
mohammad
 3/10/2017 8:11:50 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 40.00 ng
 RT: 8.00 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	426217		
182	94.5	78.2	117.4	
145	26.0	21.6	32.4	





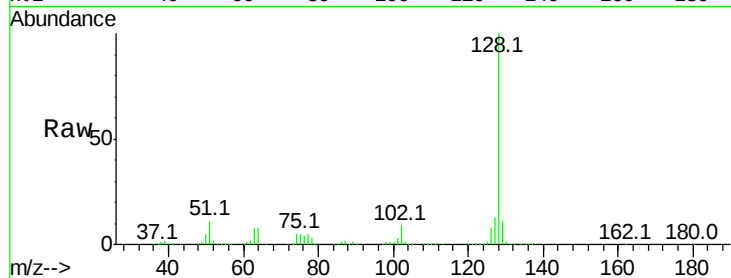
#31
Naphthalene
Concen: 37.02 ng
RT: 8.07 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.5	14.3
127	13.5	10.8	16.2

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM

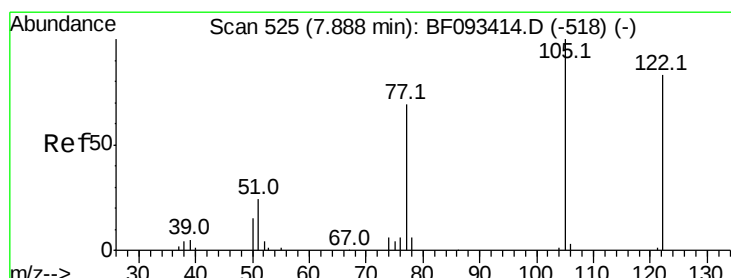
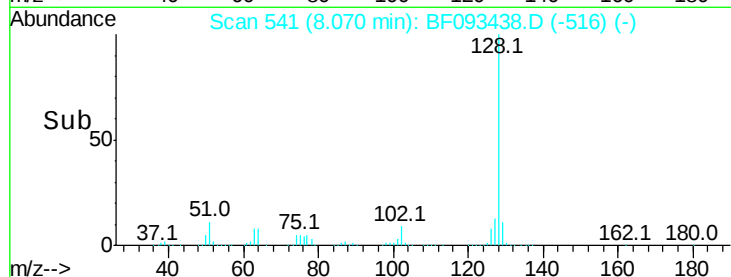
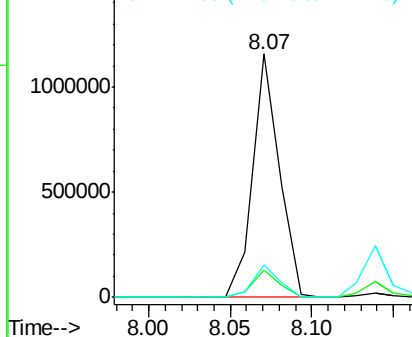


Abundance

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: 41.01 ng
RT: 7.89 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

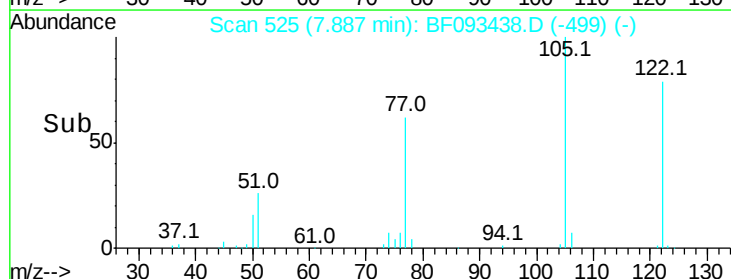
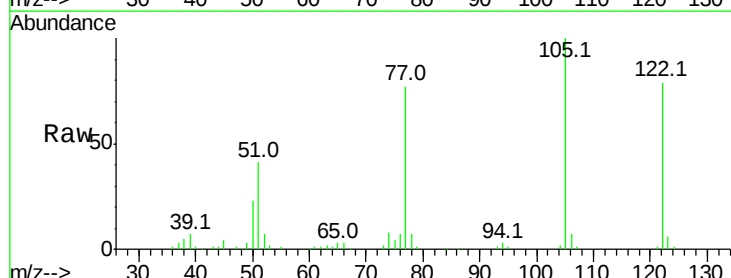
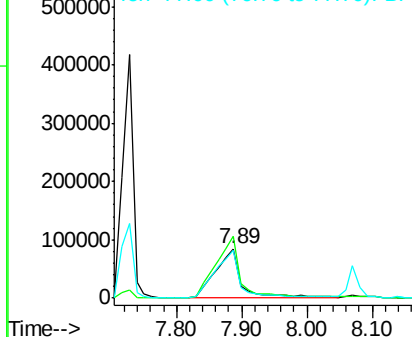
Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.6	107.2	147.2
77	97.8	74.5	114.5

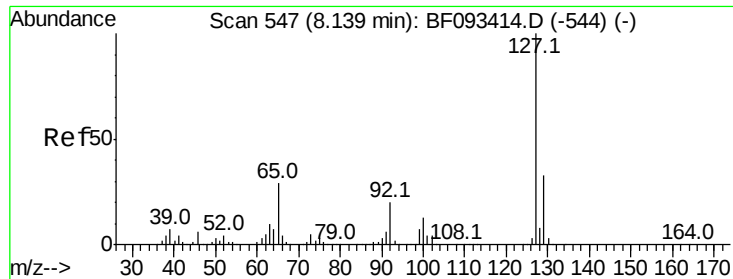
Abundance

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





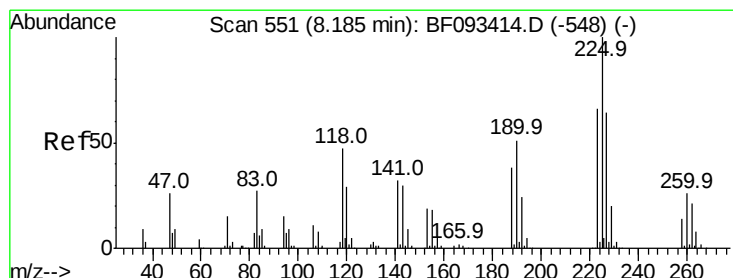
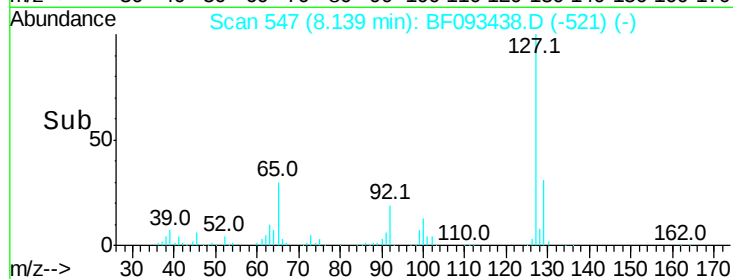
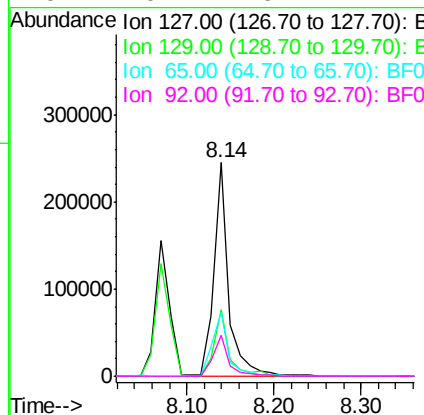
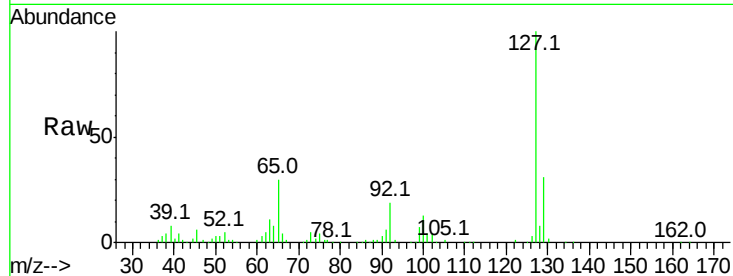
#33
4-Chloroaniline
Concen: 20.07 ng
RT: 8.14 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	31.2	26.3	39.5
65	30.3	25.8	38.8
92	19.4	16.1	24.1

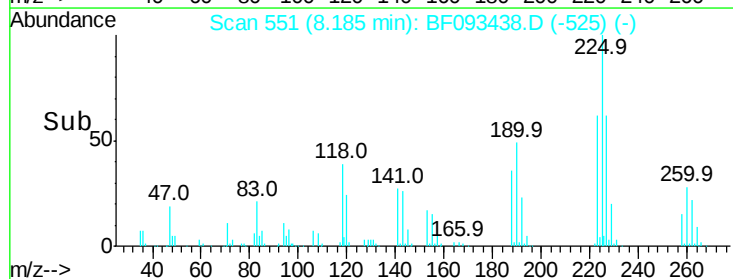
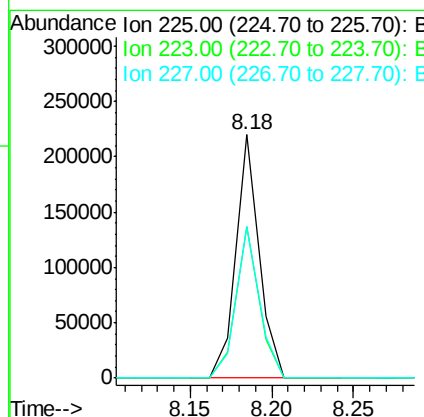
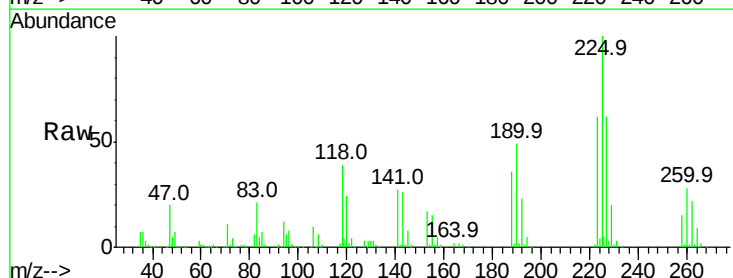
Manual Integrations
APPROVED

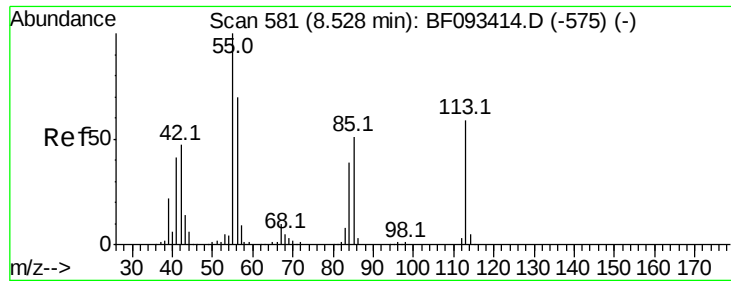
mohammad
3/10/2017 8:11:50 AM



#34
Hexachlorobutadiene
Concen: 39.15 ng
RT: 8.18 min Scan# 551
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	62.2	51.0	76.6
227	62.0	50.6	76.0





#35

Caprolactam

Concen: 44.20 ng/ml

RT: 8.52 min Scan# 580

Delta R.T. -0.01 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Instrument :

BNA_F

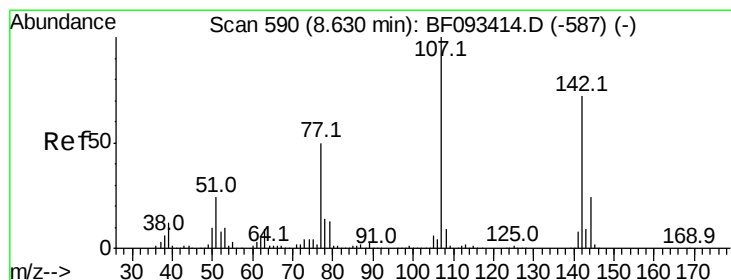
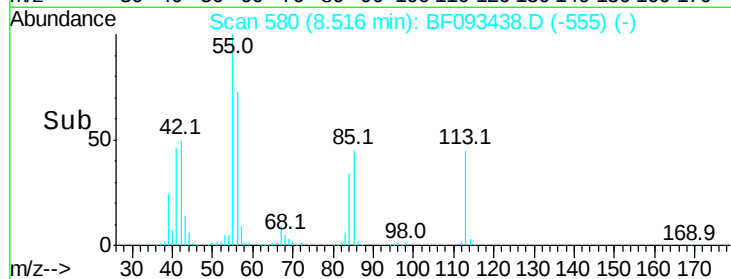
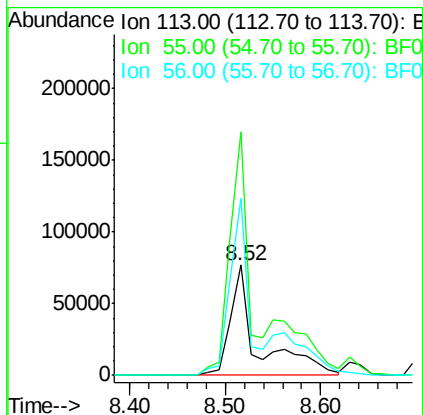
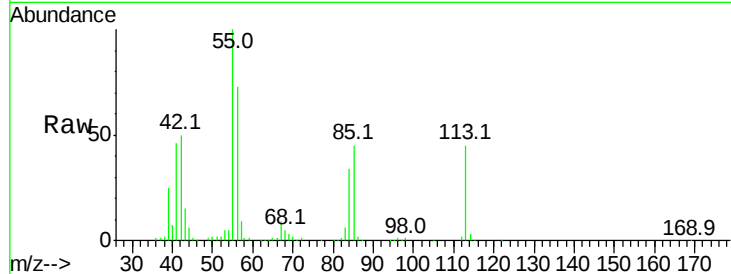
ClientSampleId :

PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	221.1	119.2	159.2#	
56	161.1	83.8	123.8#	

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM



#36

4-Chloro-3-methylphenol

Concen: 41.20 ng/ml

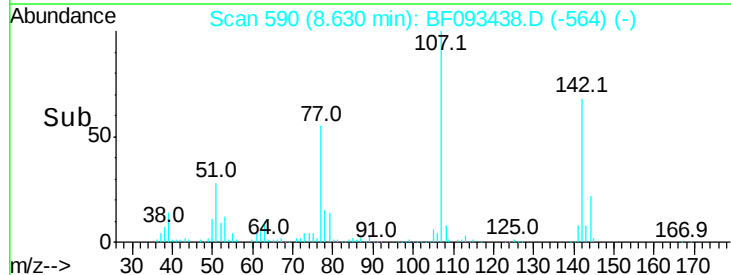
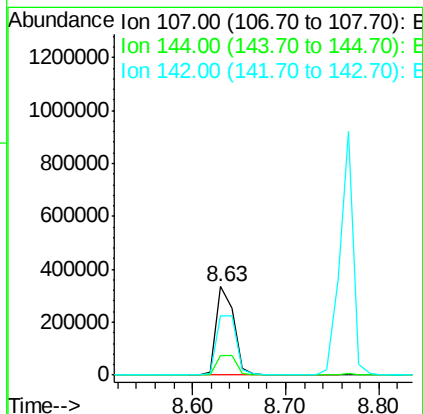
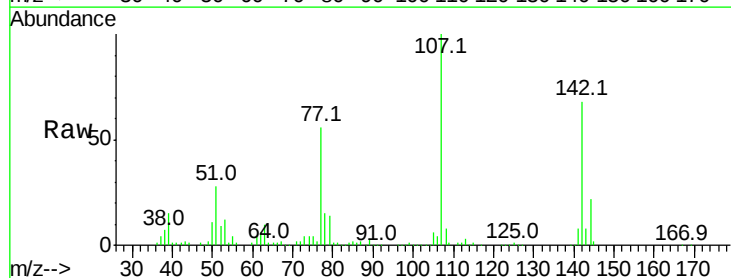
RT: 8.63 min Scan# 590

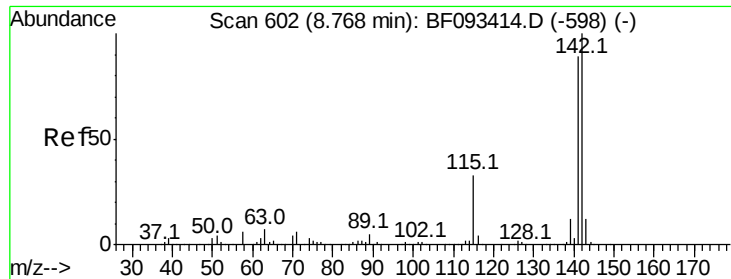
Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	21.5	19.3	28.9	
142	67.5	59.0	88.6	





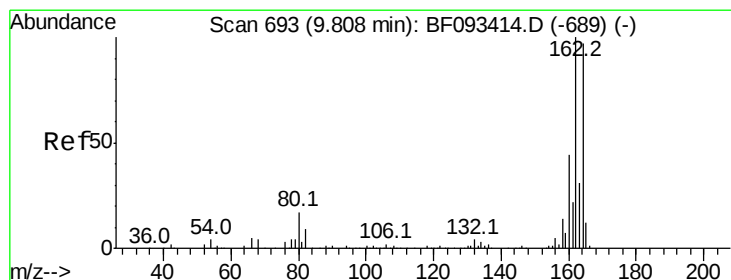
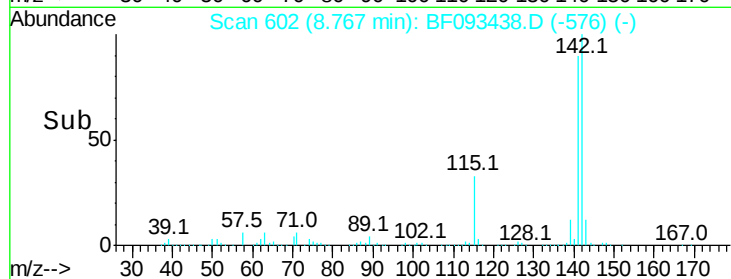
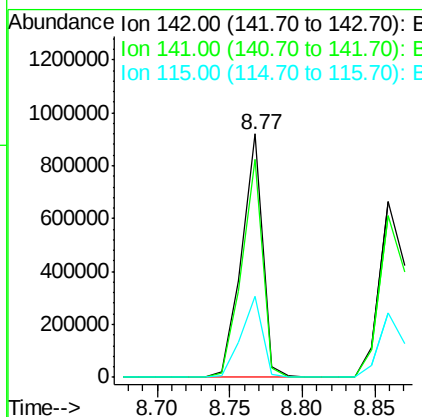
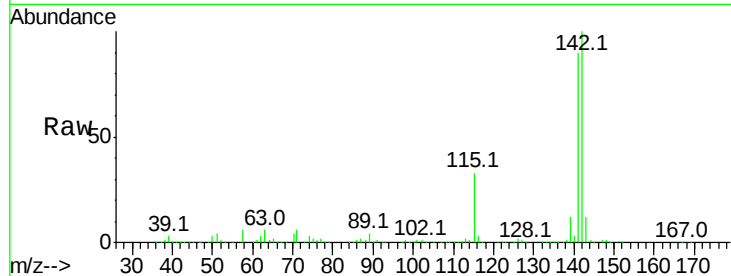
#37
 2-Methylnaphthalene
 Concen: 41.00 ng
 RT: 8.77 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.0	106.6
115	33.1	28.3	42.5

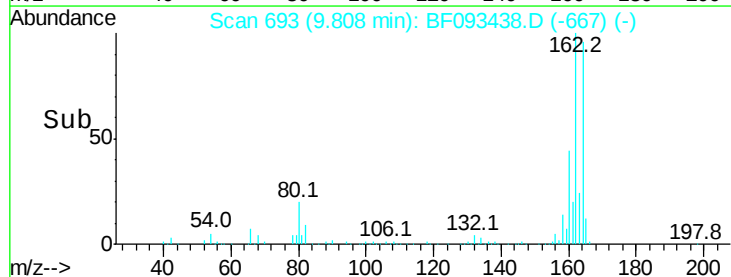
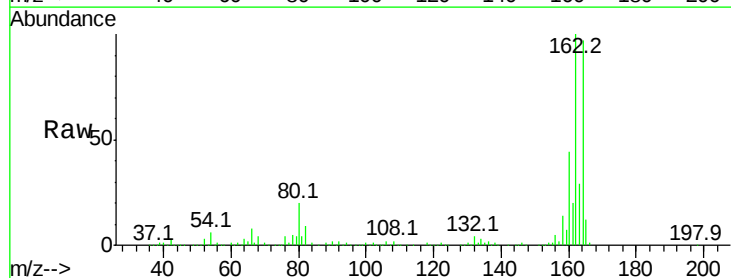
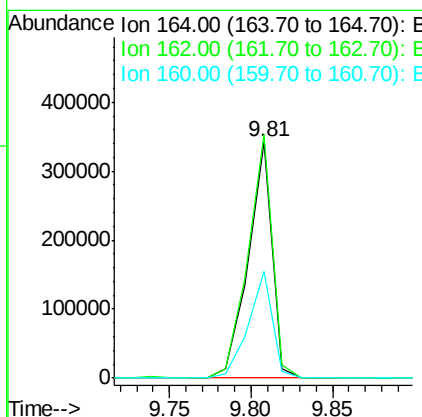
Manual Integrations
 APPROVED

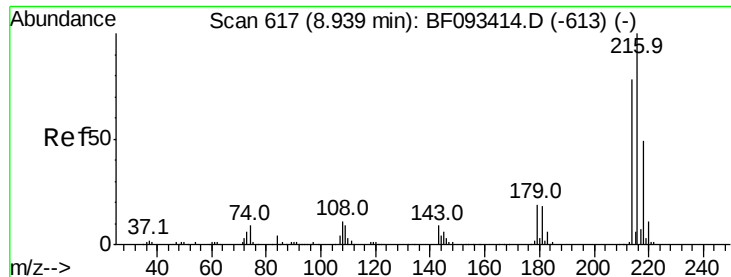
mohammad
 3/10/2017 8:11:50 AM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.2	120.2
160	45.3	36.9	55.3





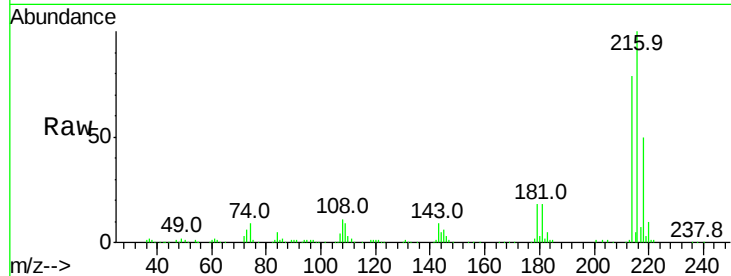
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 42.55 ng
 RT: 8.94 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

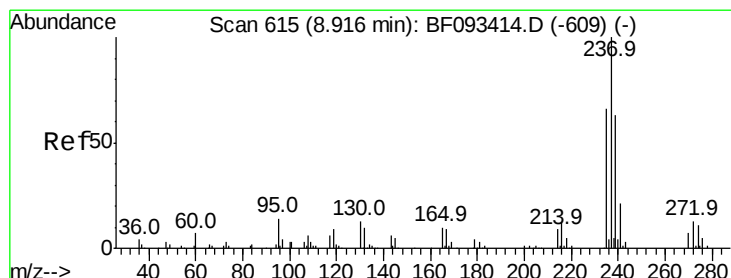
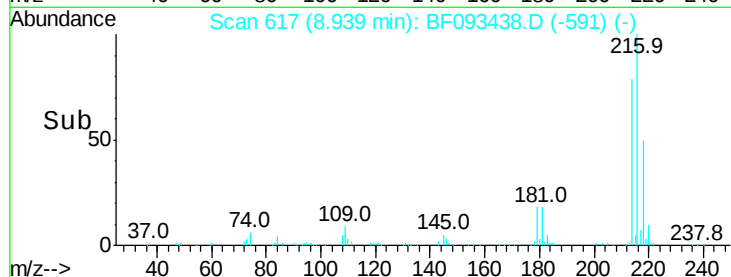
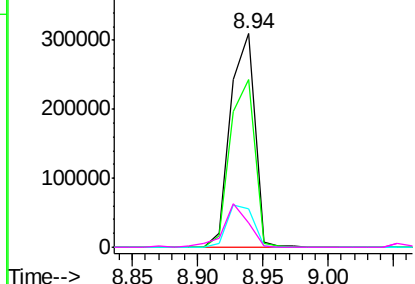
Tot Ion	Ratio	Resp	Lower	Upper
216	100	401875		
214	79.5	63.4	95.0	
179	21.4	17.4	26.2	
108	21.3	15.6	23.4	

Manual Integrations
 APPROVED

mohammad
 3/10/2017 8:11:50 AM

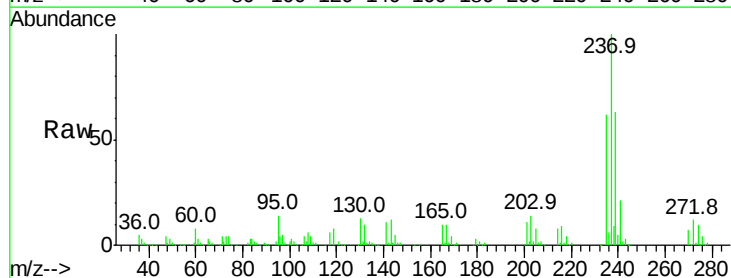


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

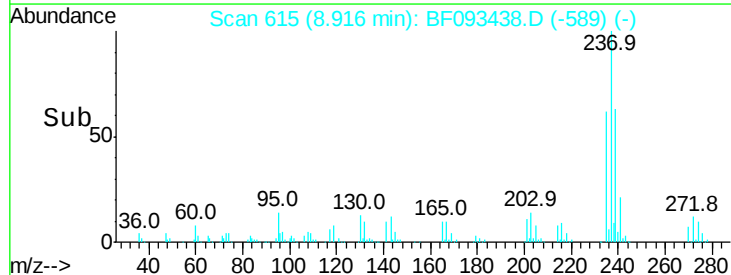
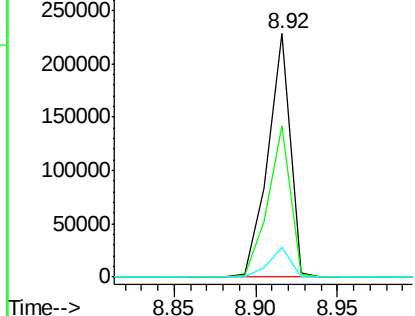


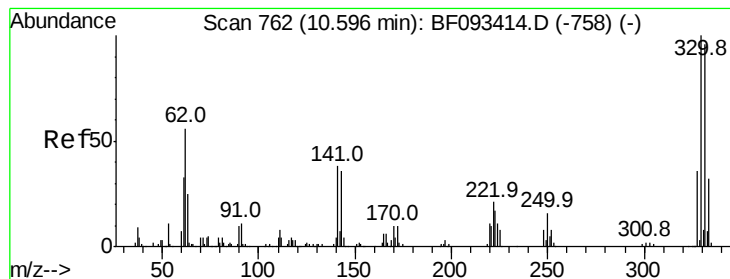
#40
 Hexachlorocyclopentadiene
 Concen: 89.77 ng
 RT: 8.92 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	218060		
235	62.4	41.2	81.2	
272	12.2	0.0	35.4	



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





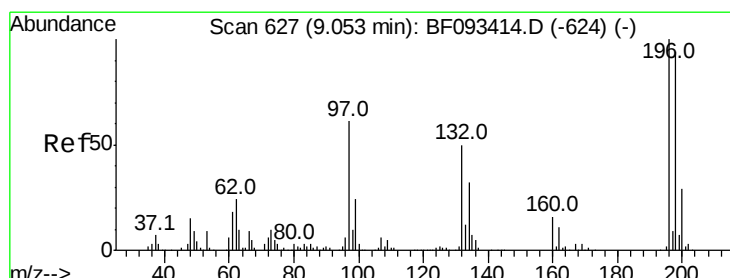
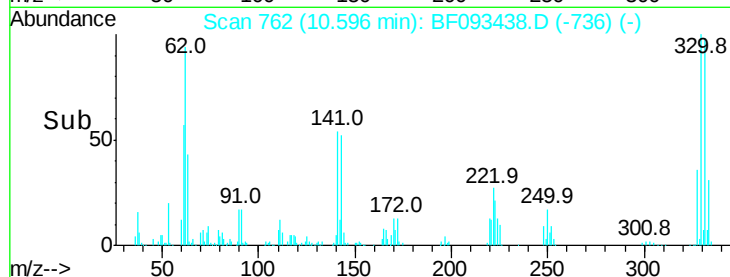
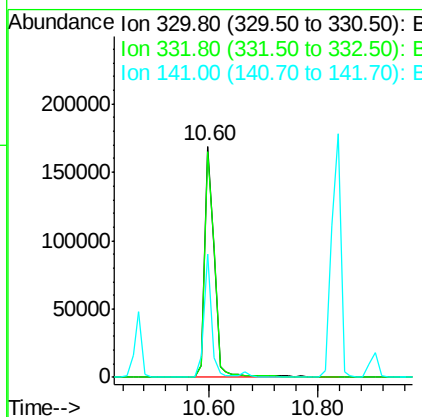
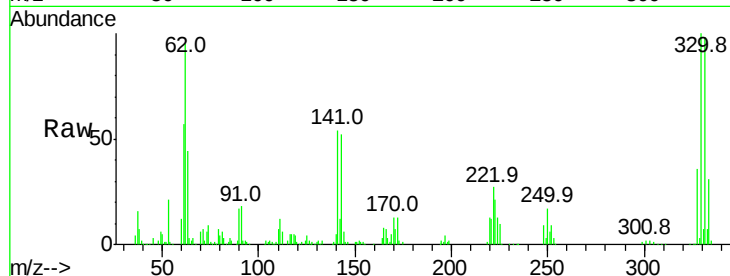
#41
 2,4,6-Tribromophenol
 Concen: 91.95 ng
 RT: 10.60 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	207197		
332	99.0	77.4	116.2	
141	42.2	34.1	51.1	

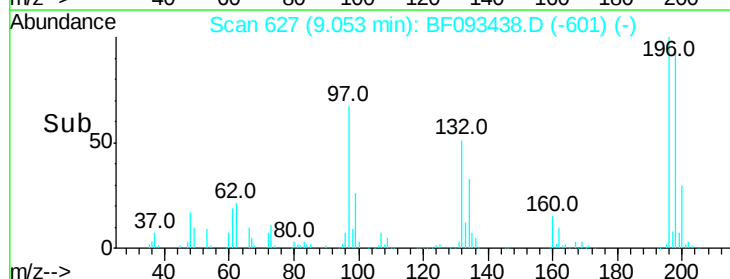
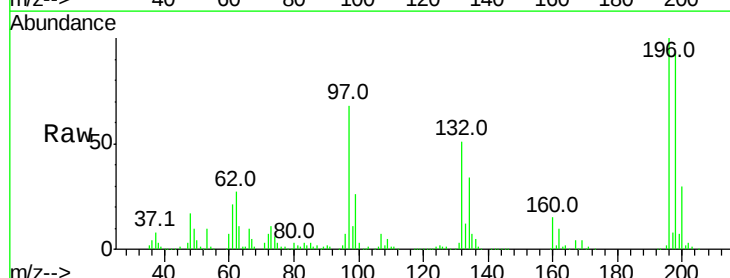
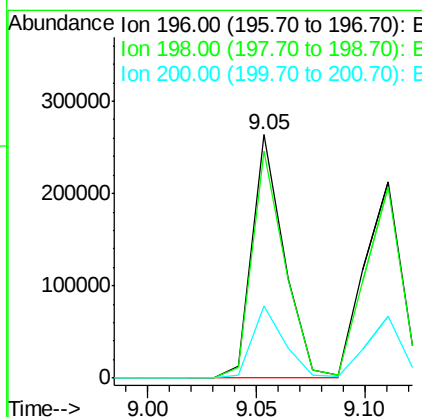
Manual Integrations
 APPROVED

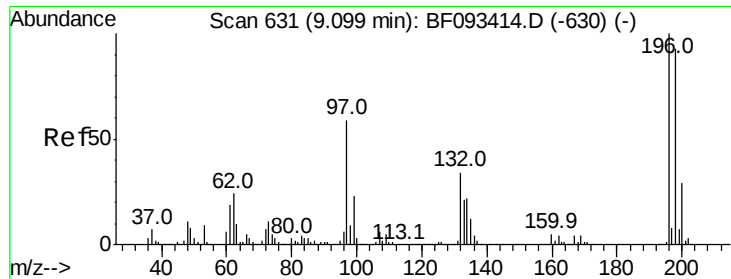
mohammad
 3/10/2017 8:11:50 AM



#42
 2,4,6-Trichlorophenol
 Concen: 46.14 ng
 RT: 9.05 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	272250		
198	93.2	82.1	123.1	
200	29.7	27.0	40.4	





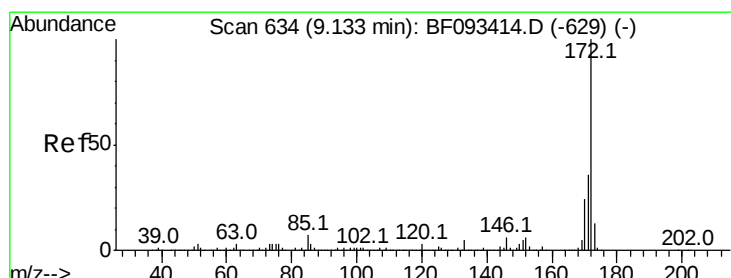
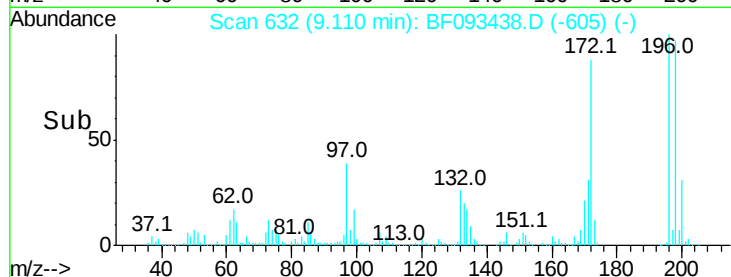
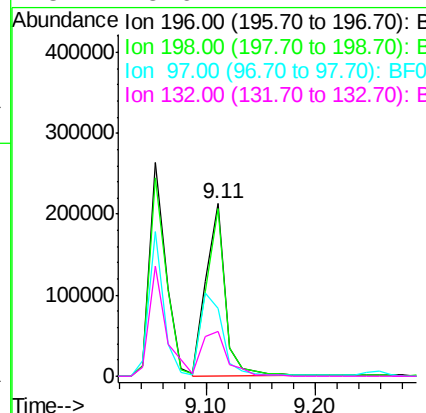
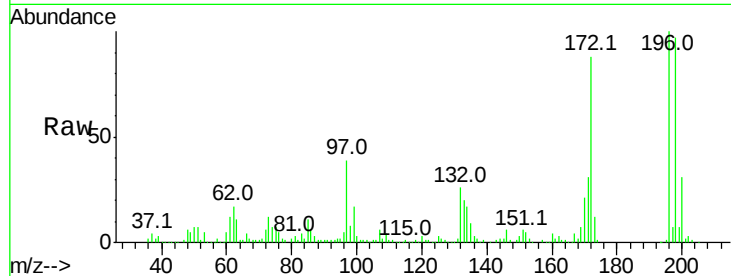
#43
 2,4,5-Trichlorophenol
 Concen: 41.92 ng
 RT: 9.11 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	265424		
198	97.4	79.4	119.2	
97	39.4	51.5	77.3	
132	25.6	27.4	41.2	

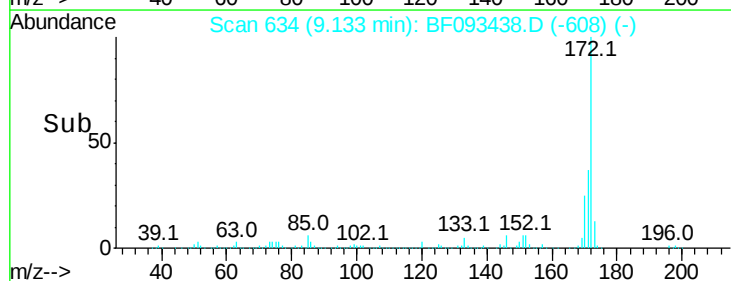
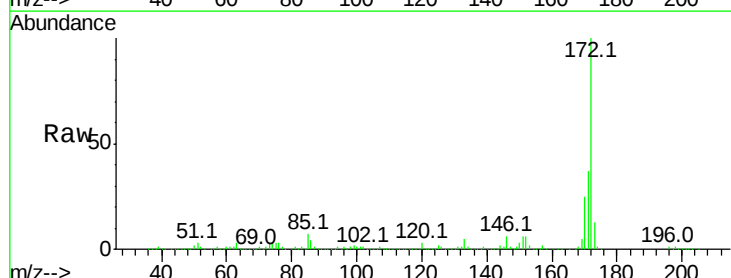
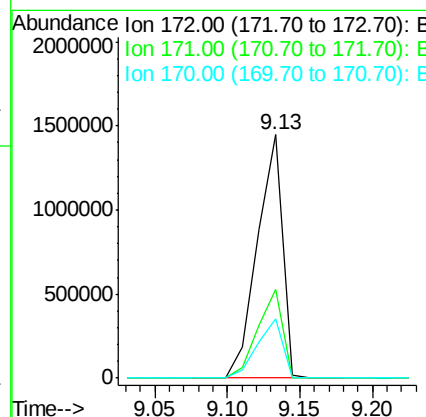
Manual Integrations
 APPROVED

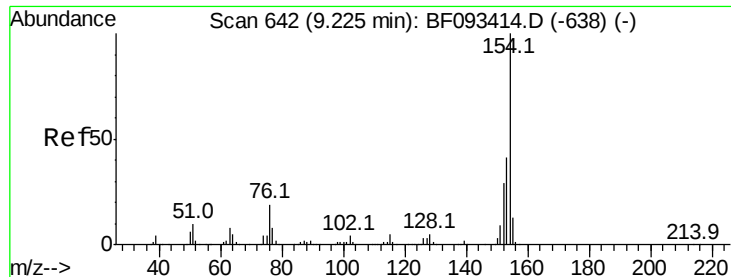
mohammad
 3/10/2017 8:11:50 AM



#44
 2-Fluorobiphenyl
 Concen: 93.97 ng
 RT: 9.13 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1747284		
171	36.6	29.4	44.0	
170	24.6	20.2	30.4	





#45

1,1'-Biphenyl

Concen: 42.55 ng

RT: 9.22 min Scan# 642

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tot Ion:154 Resp: 1071935

Ion Ratio Lower Upper

154 100

153 40.4 20.9 60.9

76 18.0 0.0 30.5

Instrument :

BNA_F

ClientSampleId :

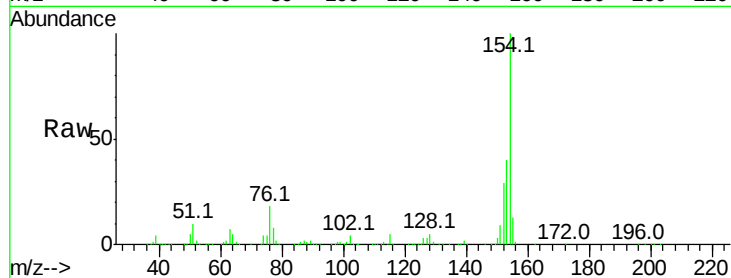
PB97449BSD

Manual Integrations

APPROVED

mohammad

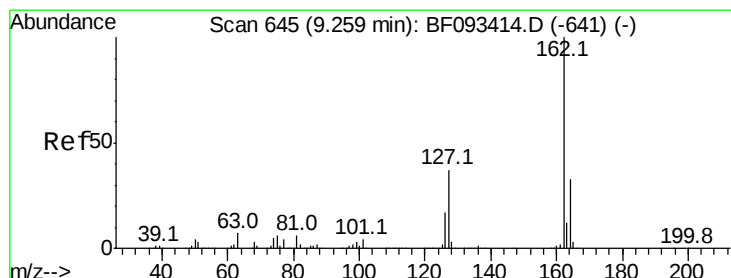
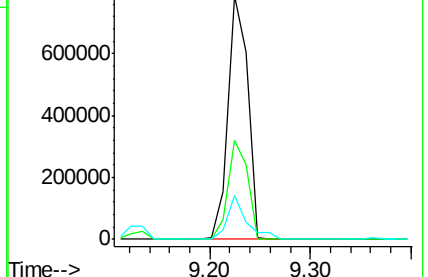
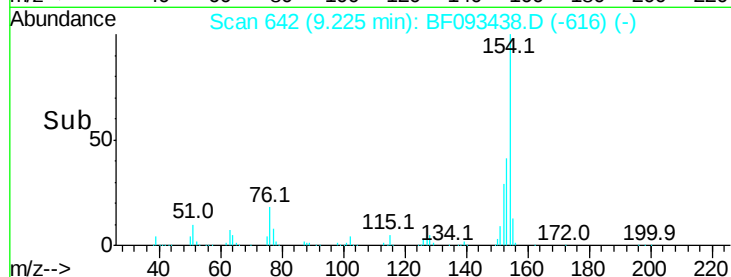
3/10/2017 8:11:50 AM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 46.07 ng

RT: 9.26 min Scan# 645

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

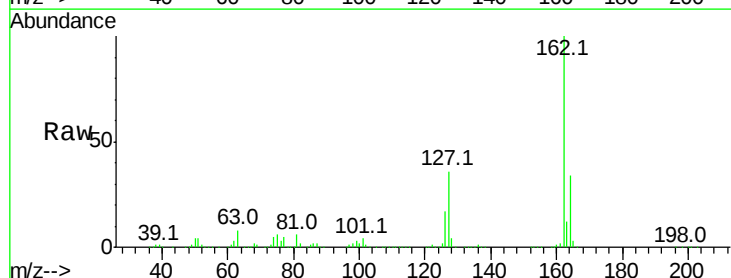
Tgt Ion:162 Resp: 888412

Ion Ratio Lower Upper

162 100

127 36.0 30.7 46.1

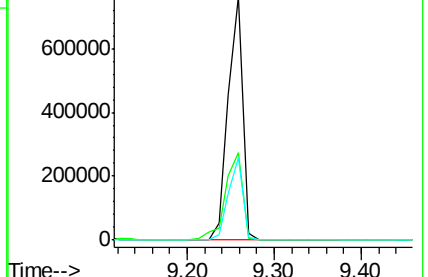
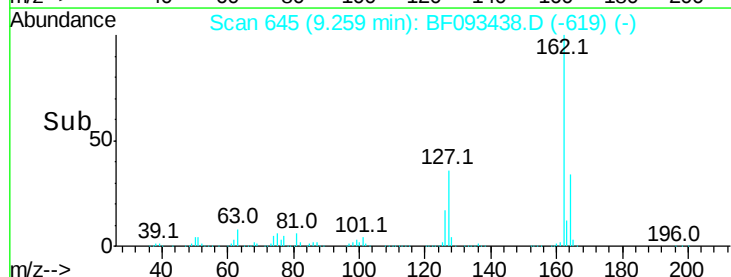
164 33.9 27.6 41.4

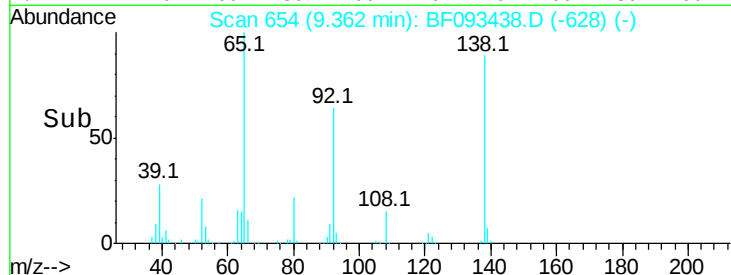
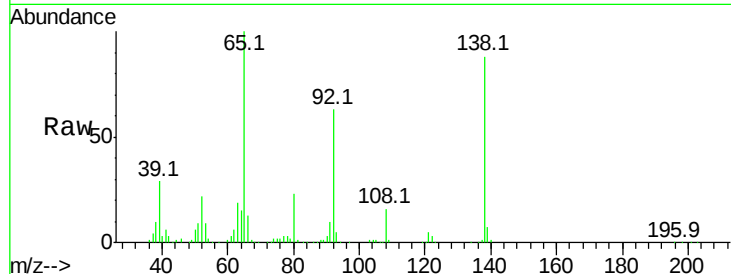
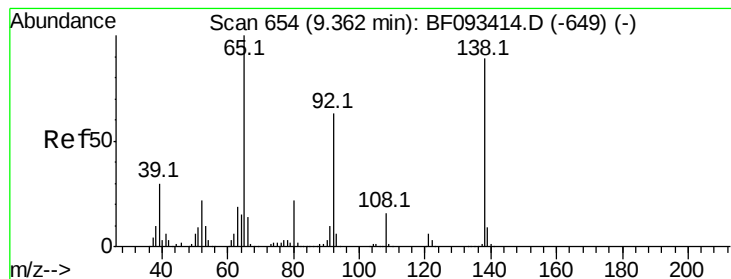


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 45.77 ng

RT: 9.36 min Scan# 654

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tot Ion:	65	Resp:	312054
Ion Ratio	Lower	Upper	
65	100		
92	63.3	53.9	80.9
138	88.1	76.8	115.2

Instrument :

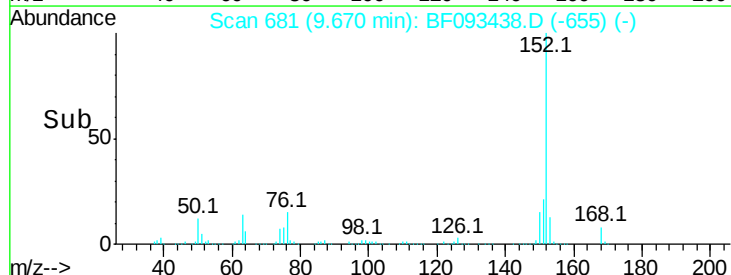
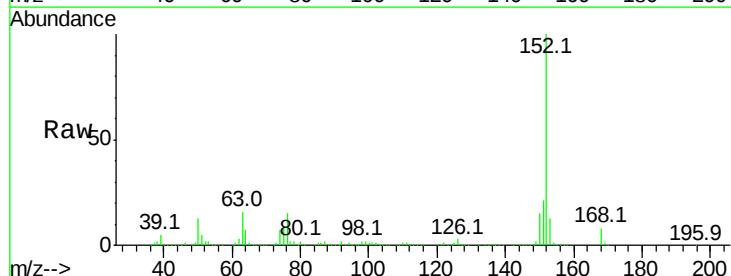
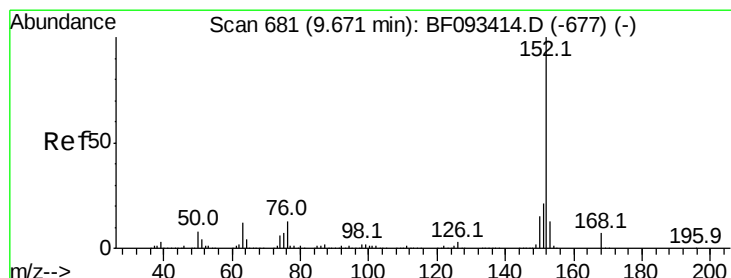
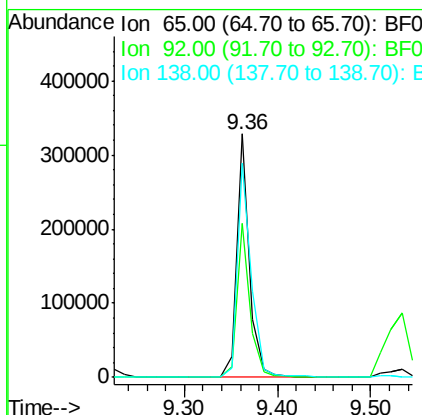
BNA_F

ClientSampleId :

PB97449BSD

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM



#48

Acenaphthylene

Concen: 42.56 ng

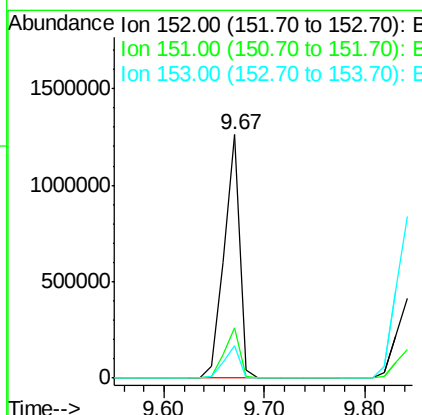
RT: 9.67 min Scan# 681

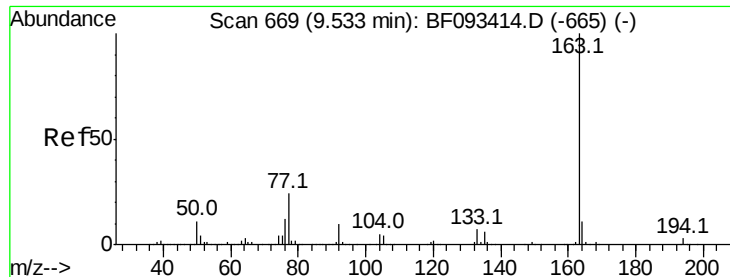
Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tgt Ion:	152	Resp:	1353539
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.9	25.3
153	13.2	11.4	17.2





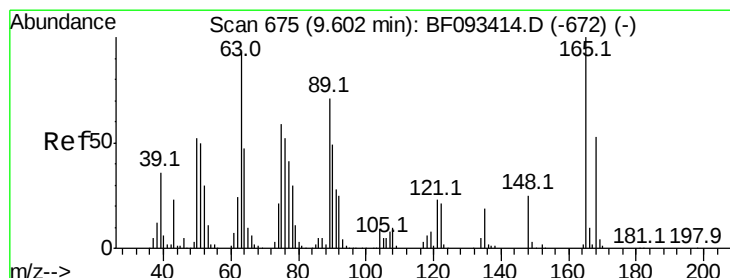
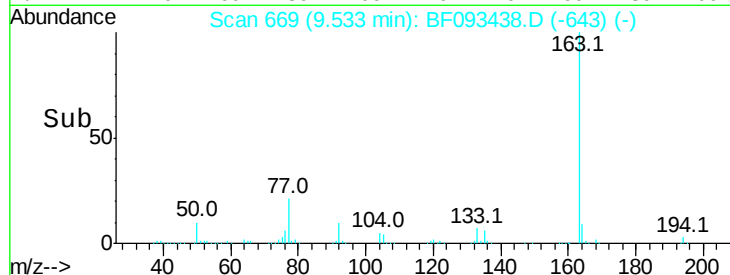
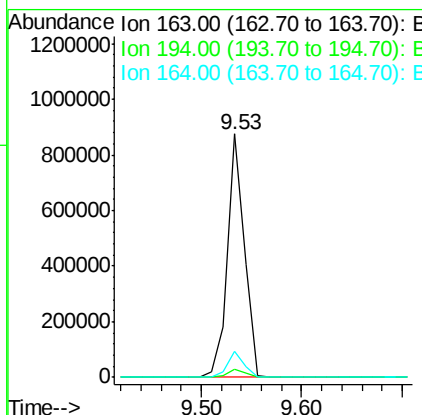
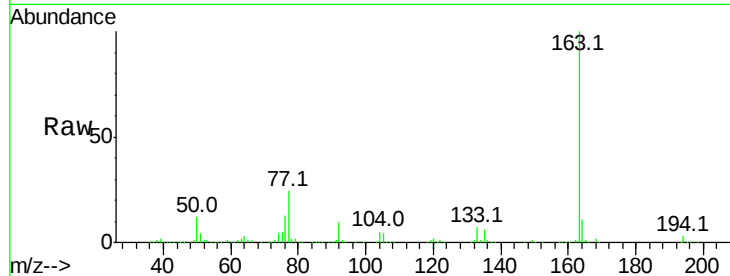
#49
Dimethylphthalate
Concen: 44.61 ng
RT: 9.53 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	10.6	8.0	12.0

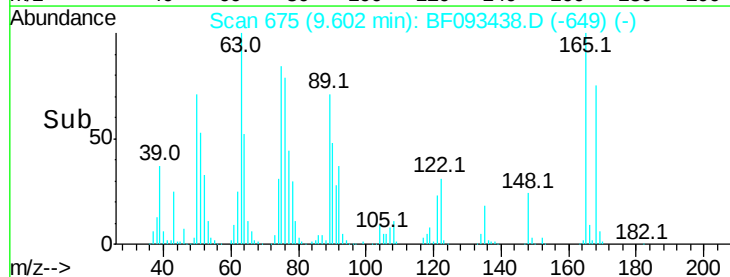
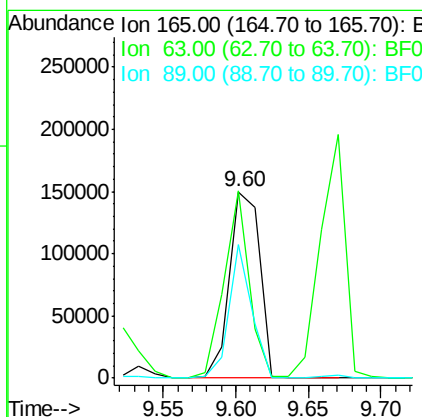
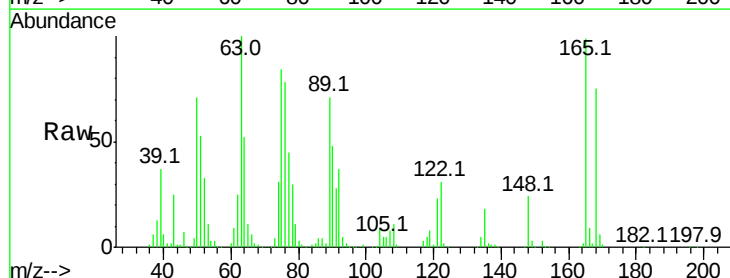
Manual Integrations
APPROVED

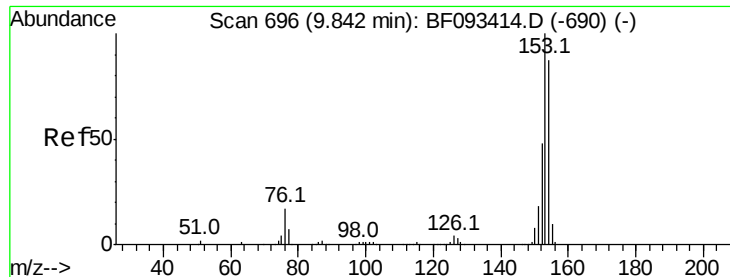
mohammad
3/10/2017 8:11:50 AM



#50
2,6-Dinitrotoluene
Concen: 42.92 ng
RT: 9.60 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	100.6	36.2	54.4#
89	71.7	40.2	60.4#





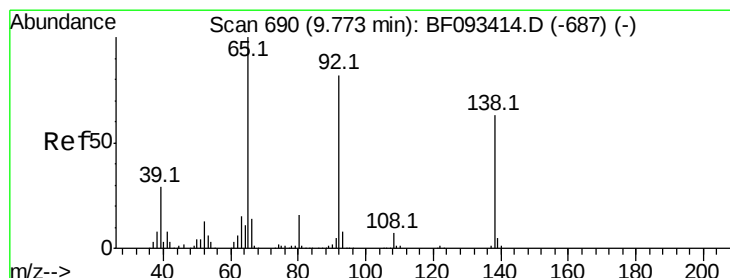
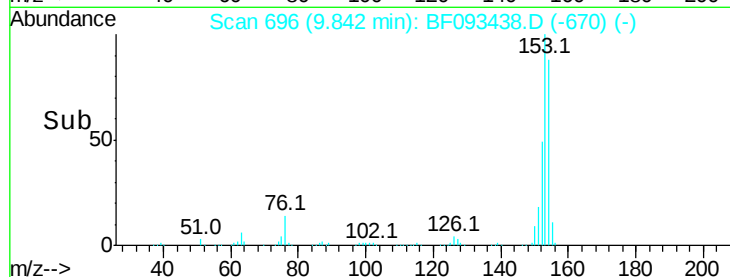
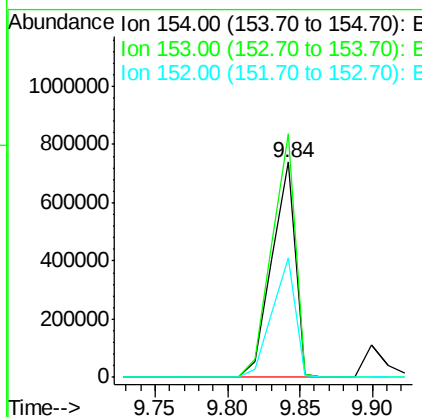
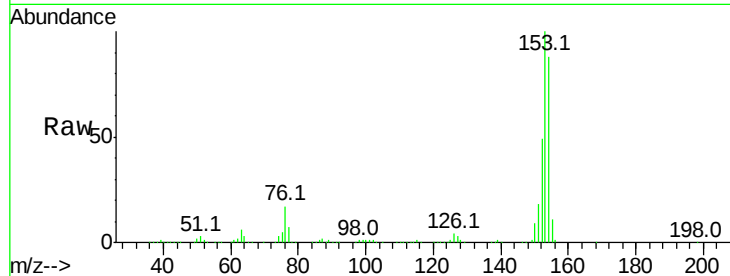
#51
Acenaphthene
Concen: 44.27 ng
RT: 9.84 min Scan# 696
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.1	88.6	133.0
152	55.7	41.6	62.4

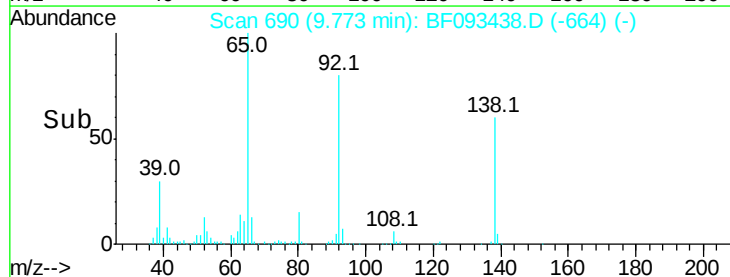
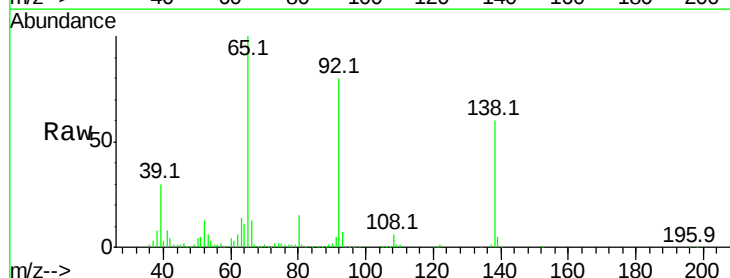
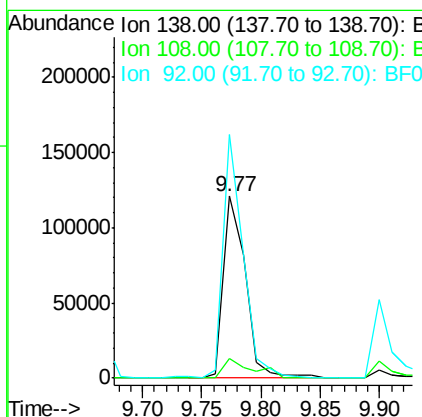
Manual Integrations
APPROVED

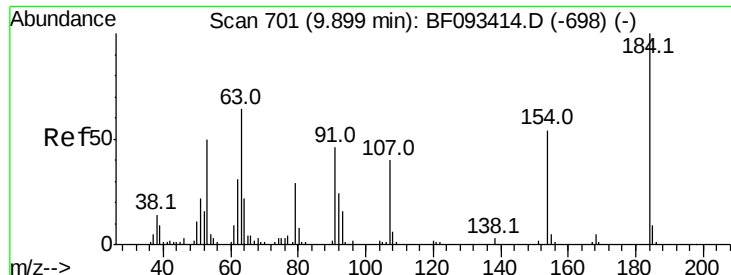
mohammad
3/10/2017 8:11:50 AM



#52
3-Nitroaniline
Concen: 25.64 ng
RT: 9.77 min Scan# 690
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.5	12.7
92	133.7	97.8	146.8





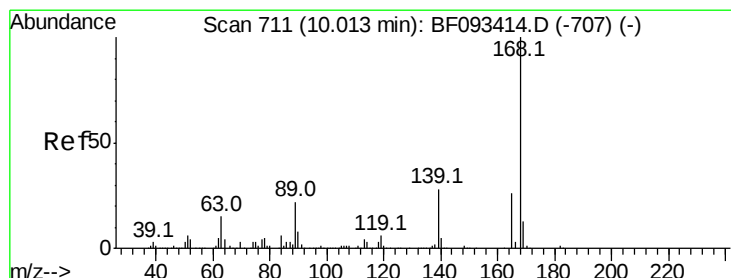
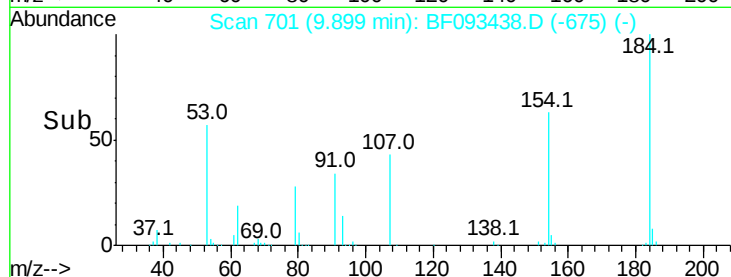
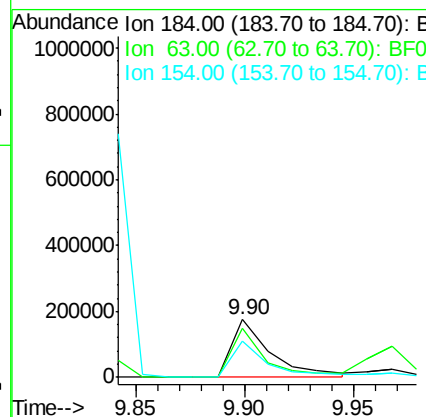
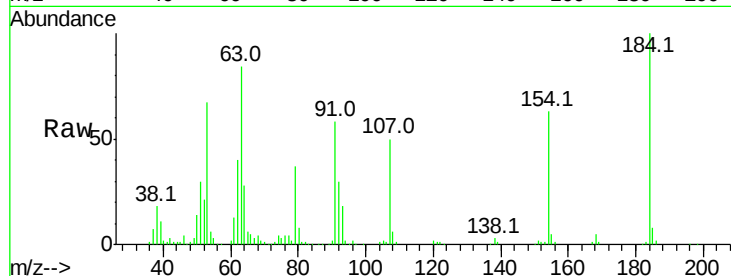
#53
2,4-Dinitrophenol
Concen: 95.38 ng
RT: 9.90 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	83.9	28.4	42.6	
154	62.9	44.3	66.5	

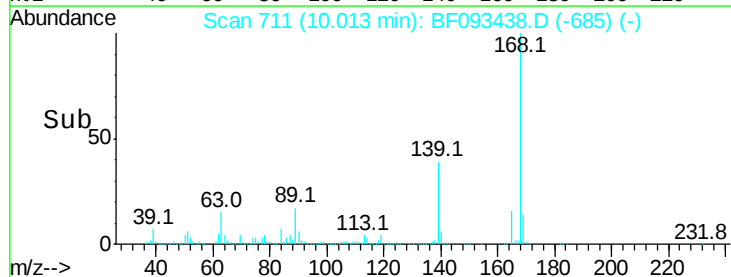
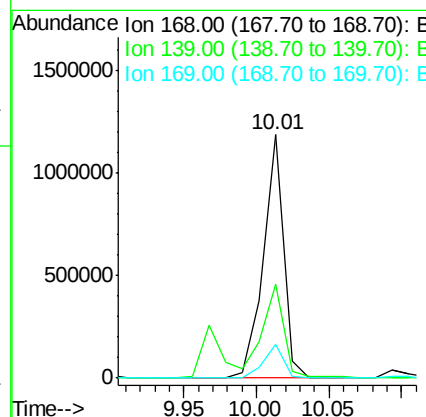
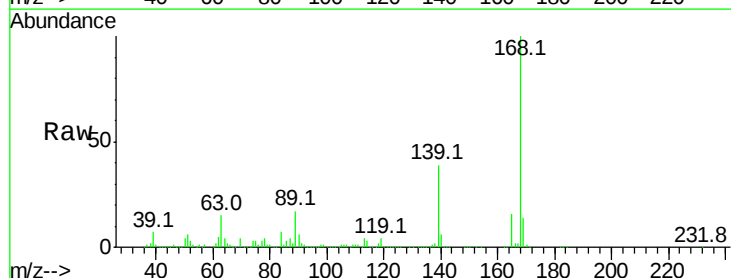
Manual Integrations
APPROVED

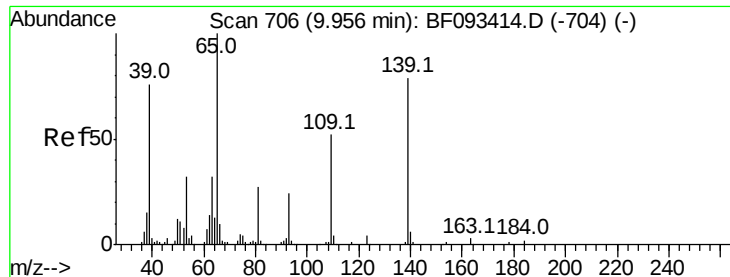
mohammad
3/10/2017 8:11:50 AM



#54
Dibenzofuran
Concen: 48.67 ng
RT: 10.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	38.7	32.6	49.0	
169	13.8	11.3	16.9	





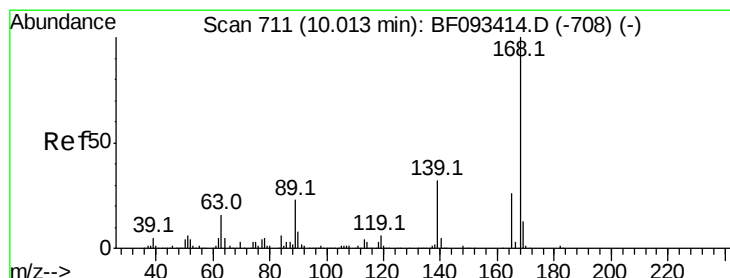
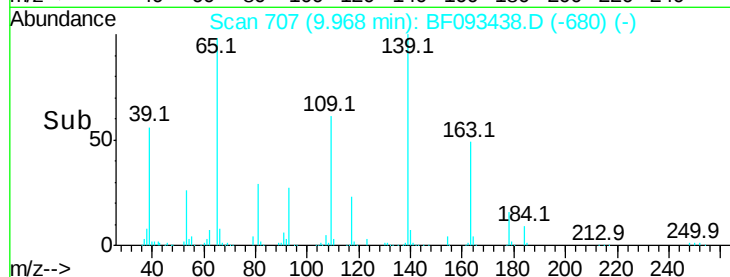
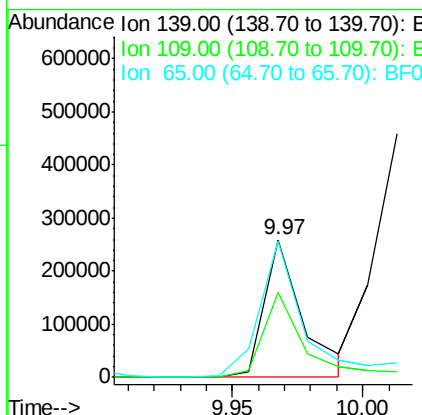
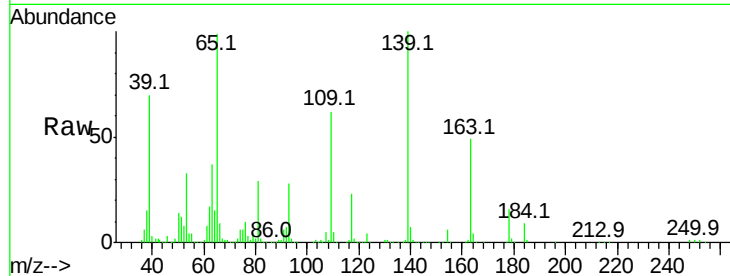
#55
4-Nitrophenol
Concen: 91.27 ng
RT: 9.97 min Scan# 707
Delta R.T. 0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	61.6	52.2	92.2
65	99.1	85.8	125.8

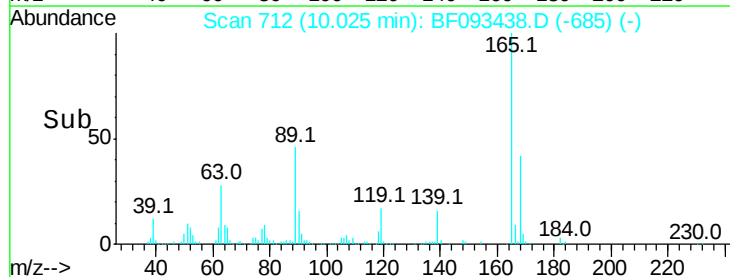
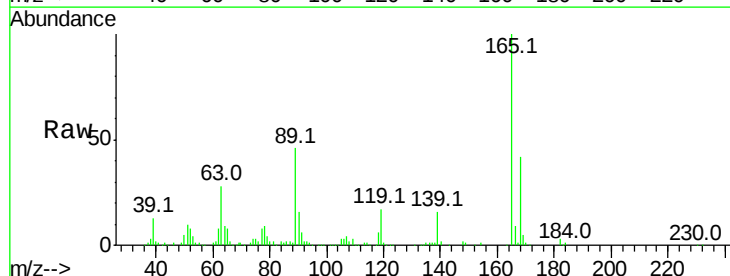
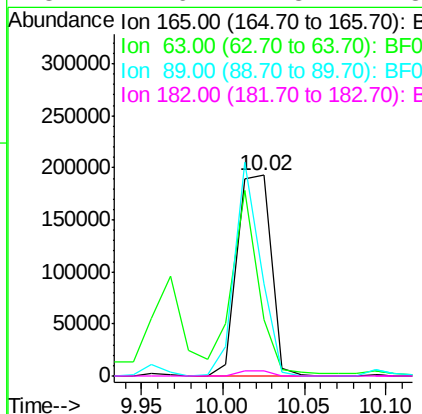
Manual Integrations
APPROVED

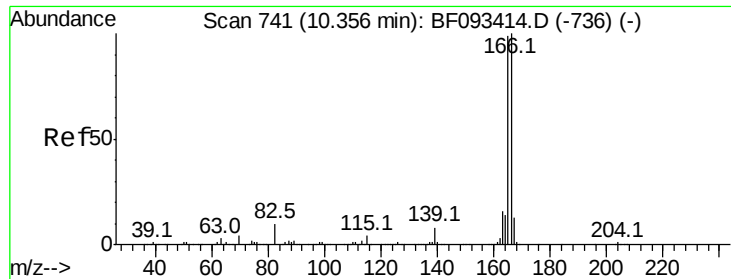
mohammad
3/10/2017 8:11:50 AM



#56
2,4-Dinitrotoluene
Concen: 44.53 ng
RT: 10.02 min Scan# 712
Delta R.T. 0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	27.9	40.2	60.4#
89	45.8	62.5	93.7#
182	2.6	1.8	2.8





#57

Fluorene

Concen: 46.50 ng

RT: 10.36 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Instrument :

BNA_F

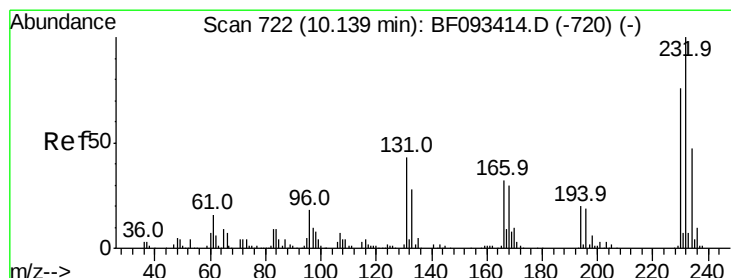
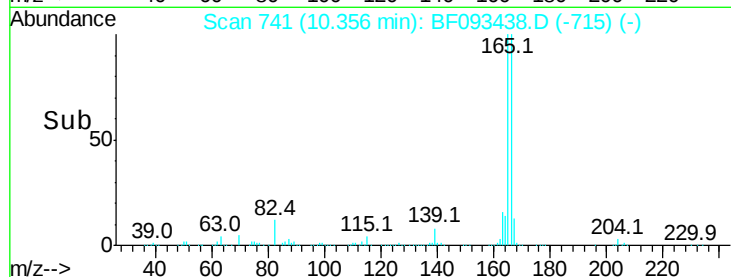
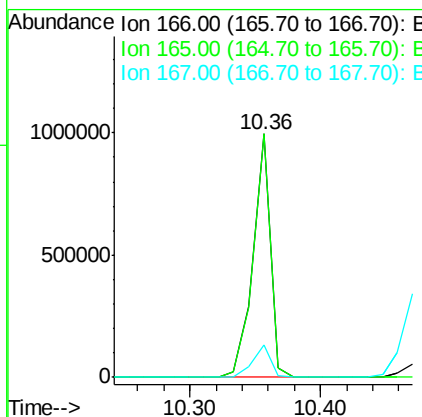
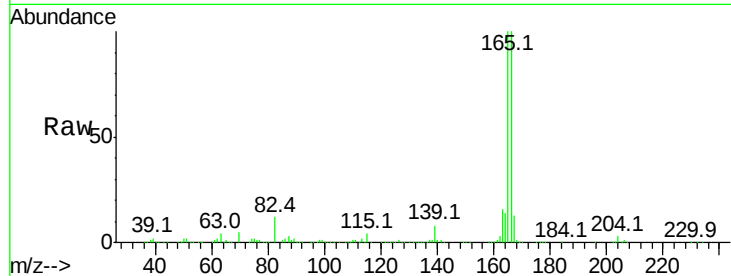
ClientSampled :

PB97449BSD

Tot Ion:	166	Resp:	927541
Ion Ratio	Lower	Upper	
166	100		
165	99.9	77.8	116.8
167	13.4	10.8	16.2

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.49 ng

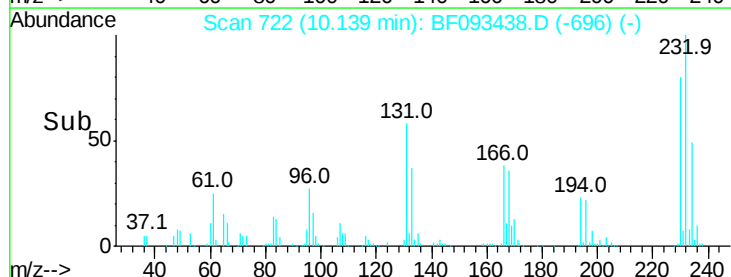
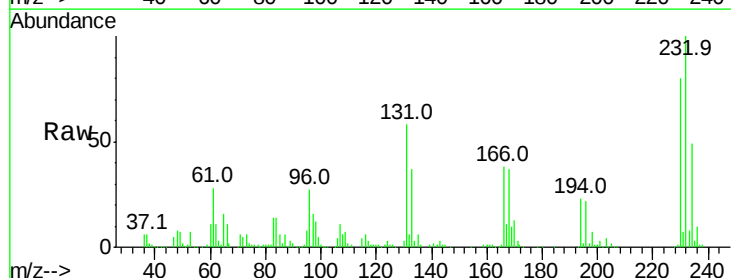
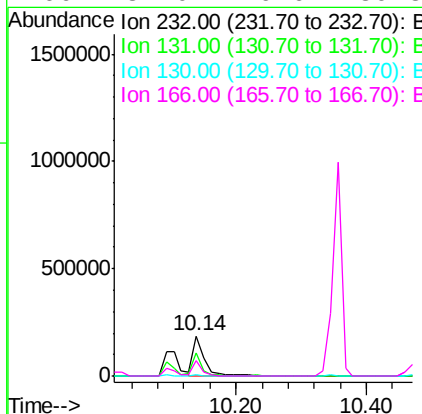
RT: 10.14 min Scan# 722

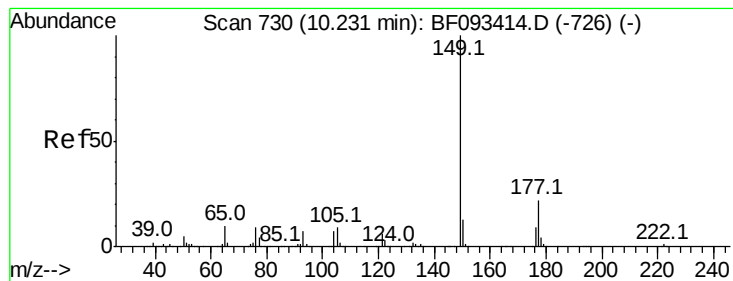
Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tgt Ion:	232	Resp:	221152
Ion Ratio	Lower	Upper	
232	100		
131	50.7	40.1	60.1
130	2.5	1.8	2.8
166	32.0	26.6	39.8





#59

Diethylphthalate

Concen: 41.78 ng

RT: 10.23 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Instrument :

BNA_F

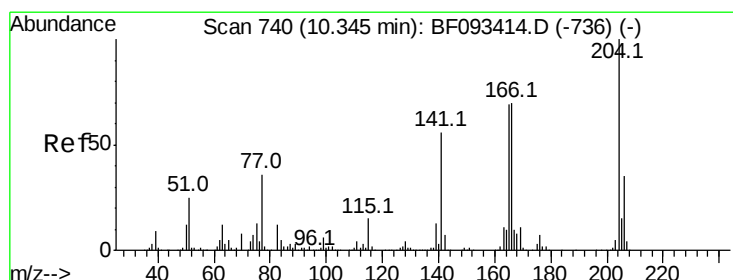
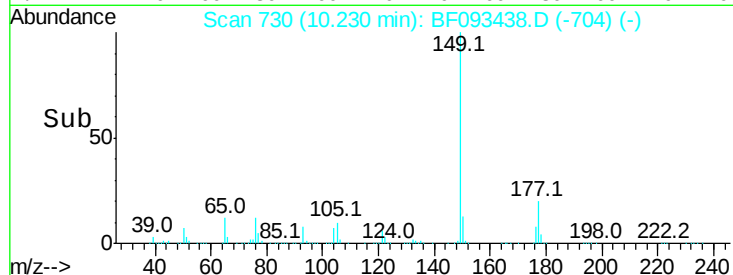
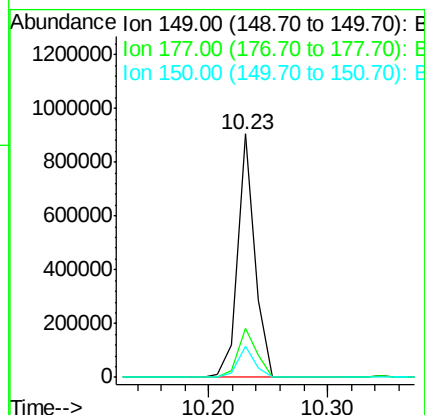
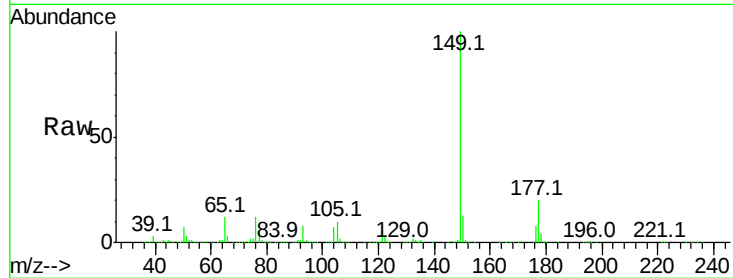
ClientSampleId :

PB97449BSD

Tot Ion:	149	Resp:	915631
Ion Ratio	Lower	Upper	
149	100		
177	20.4	16.6	25.0
150	12.7	10.4	15.6

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM



#60

4-Chlorophenyl-phenylether

Concen: 46.75 ng

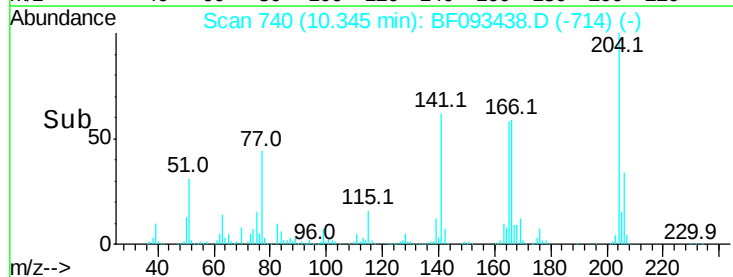
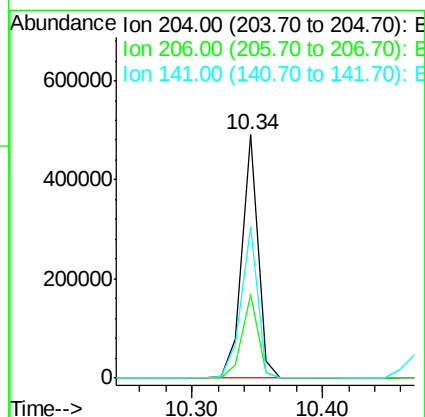
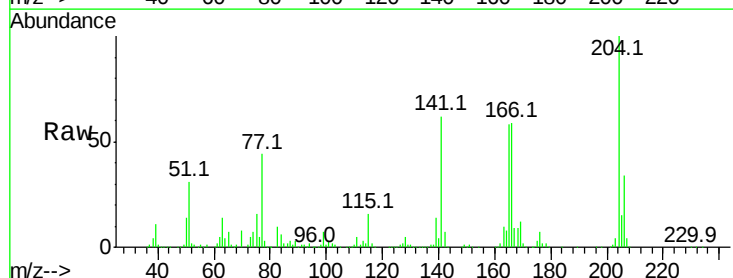
RT: 10.34 min Scan# 740

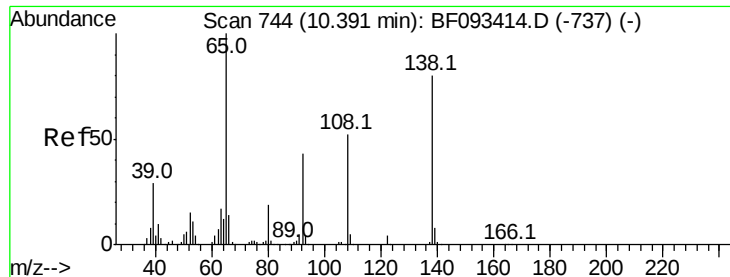
Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tgt Ion:	204	Resp:	418017
Ion Ratio	Lower	Upper	
204	100		
206	34.4	25.8	38.6
141	62.1	59.4	89.0





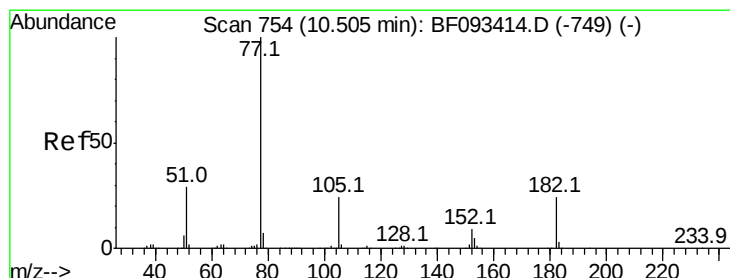
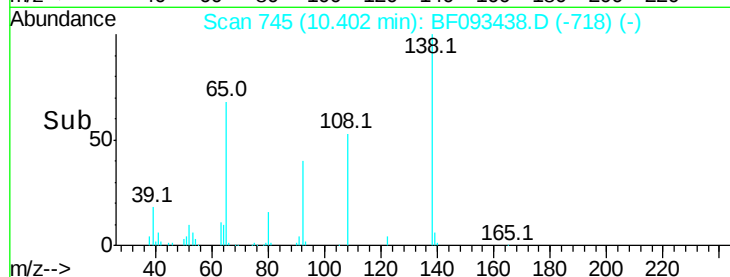
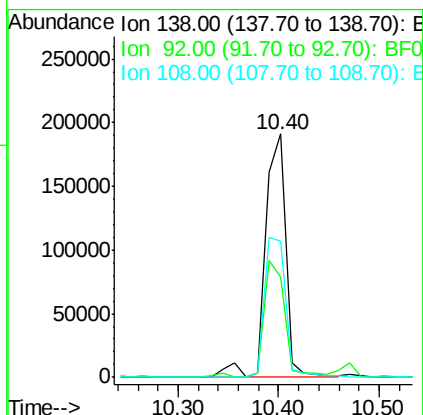
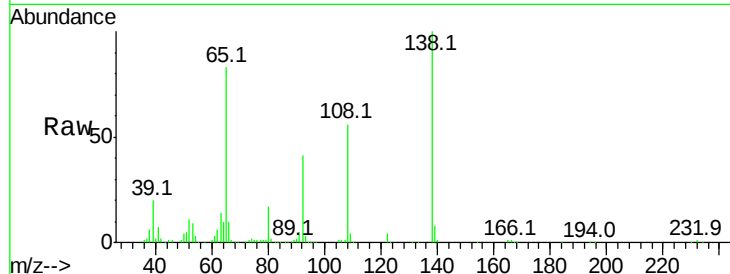
#61
4-Nitroaniline
Concen: 43.63 ng
RT: 10.40 min Scan# 745
Delta R.T. 0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampled :
PB97449BSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	41.0	31.7	71.7
108	56.1	52.6	92.6

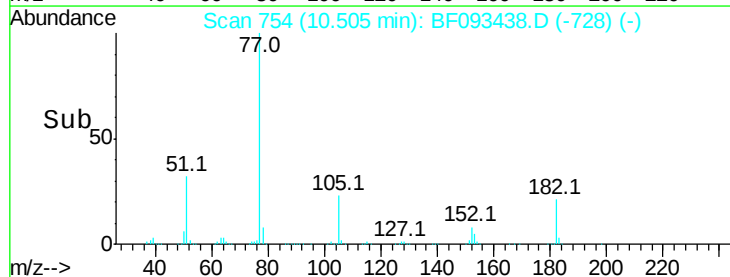
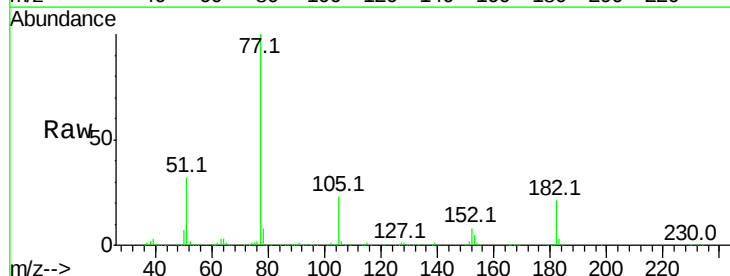
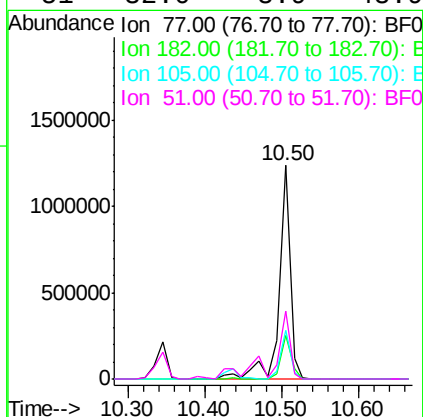
Manual Integrations
APPROVED

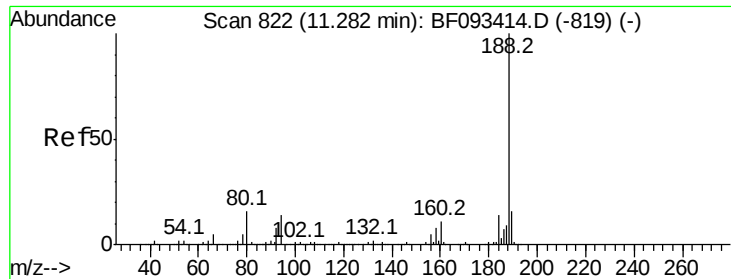
mohammad
3/10/2017 8:11:50 AM



#62
Azobenzene
Concen: 49.62 ng
RT: 10.50 min Scan# 754
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
77	100		
182	20.6	0.0	39.3
105	22.8	2.3	42.3
51	32.0	8.9	48.9





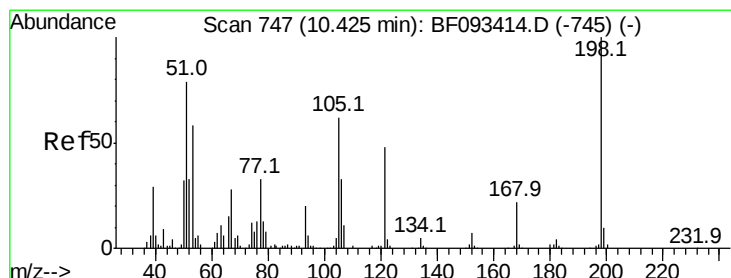
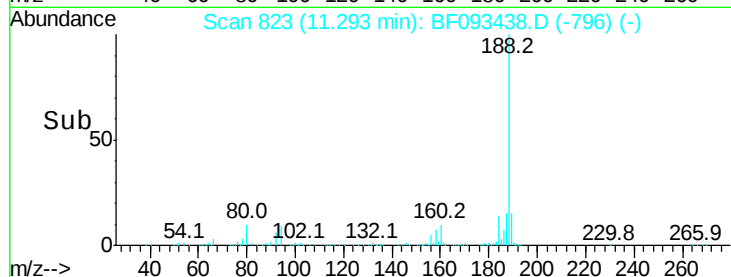
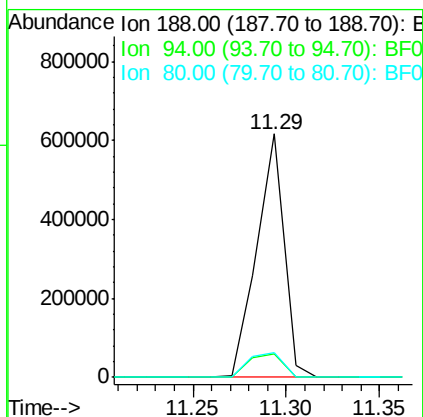
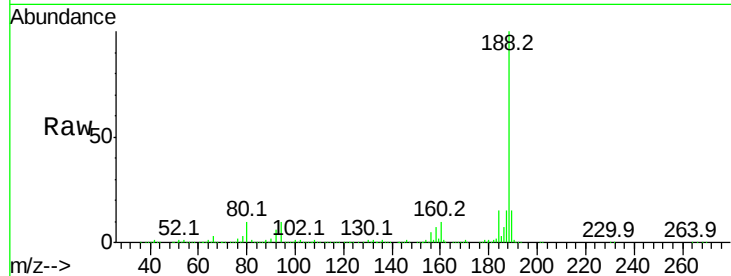
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 823
Delta R.T. 0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	624481		
94	9.9	10.0	15.0#	
80	10.0	11.2	16.8#	

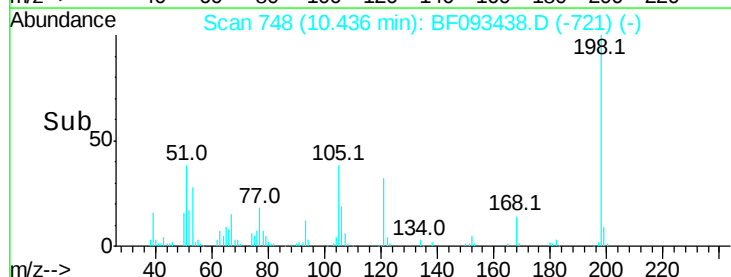
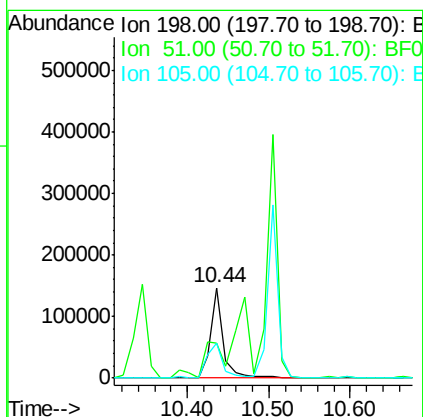
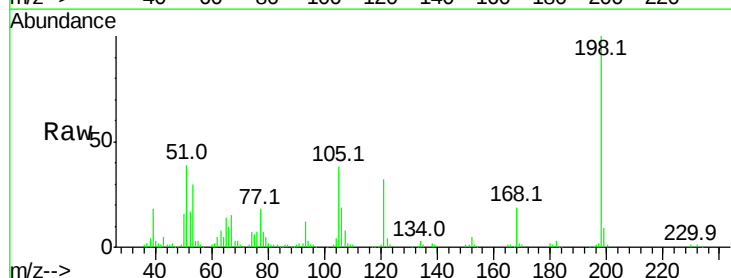
Manual Integrations
APPROVED

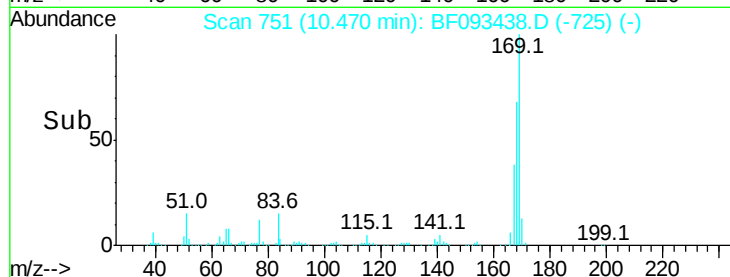
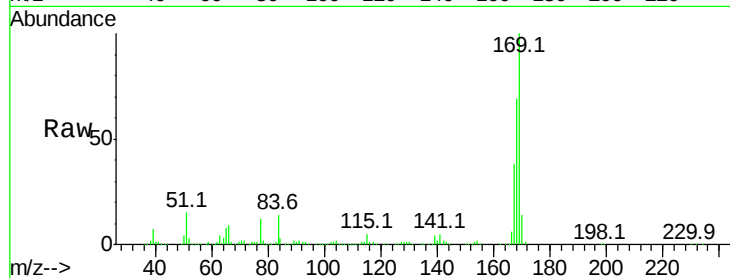
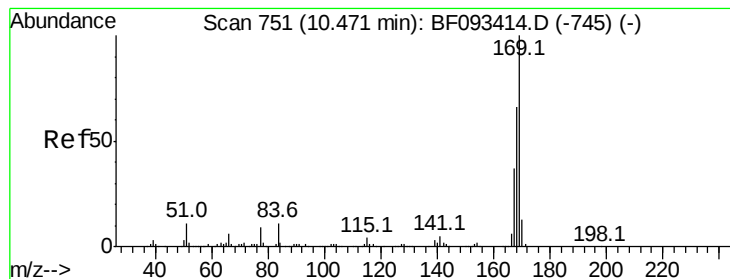
mohammad
3/10/2017 8:11:50 AM



#64
4,6-Dinitro-2-methylphenol
Concen: 40.33 ng
RT: 10.44 min Scan# 748
Delta R.T. 0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	163179		
51	38.9	6.7	46.7	
105	38.2	16.6	56.6	





#65

n-Nitrosodiphenylamine

Concen: 39.85 ng

RT: 10.47 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tot Ion:	169	Resp:	830936
Ion Ratio	Lower	Upper	
169	100		
168	68.6	54.2	81.2
167	38.4	30.2	45.4

Instrument :

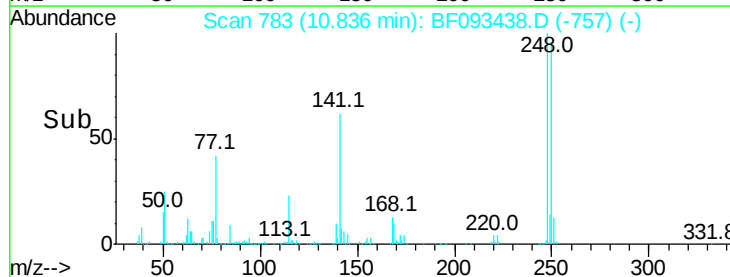
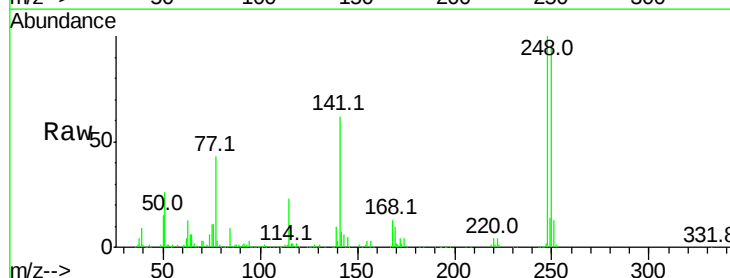
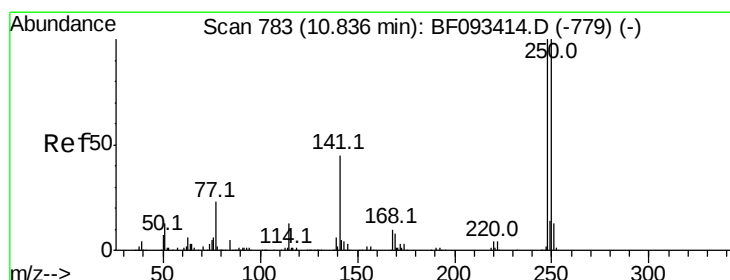
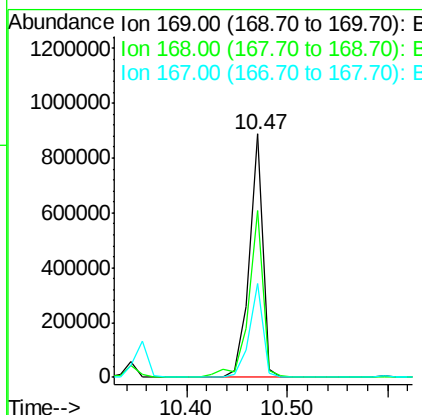
BNA_F

ClientSampleId :

PB97449BSD

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM



#66

4-Bromophenyl-phenylether

Concen: 39.79 ng

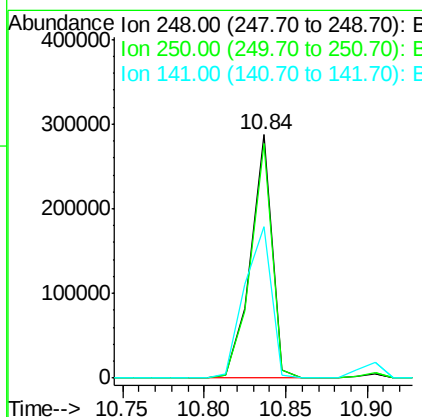
RT: 10.84 min Scan# 783

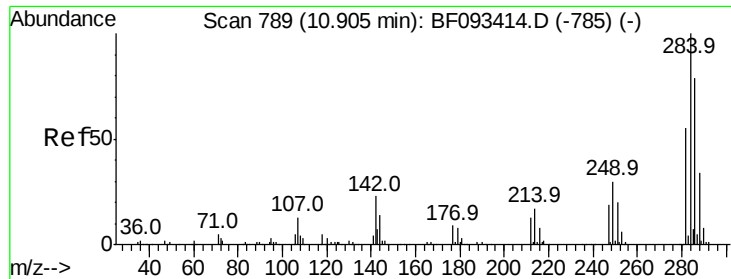
Delta R.T. -0.00 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tgt Ion:	248	Resp:	262777
Ion Ratio	Lower	Upper	
248	100		
250	96.5	76.9	115.3
141	62.0	68.2	102.4#





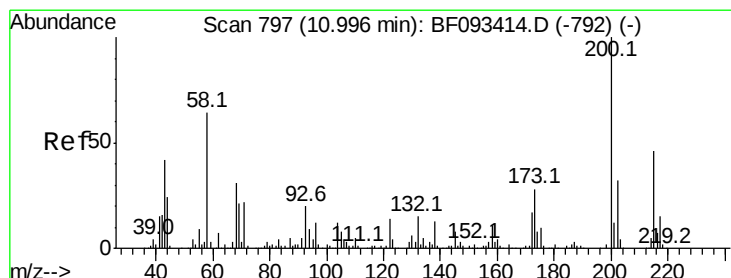
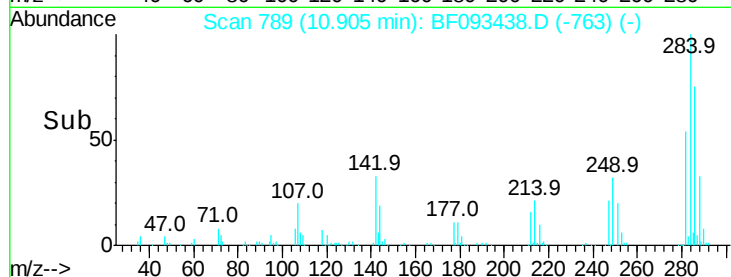
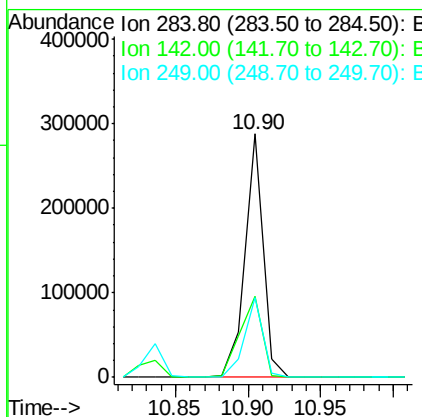
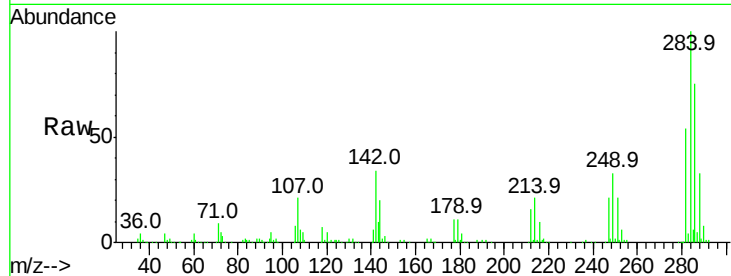
#67
Hexachlorobenzene
Concen: 39.93 ng
RT: 10.90 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	251798		
142	33.5	22.6	33.8	
249	32.6	25.4	38.0	

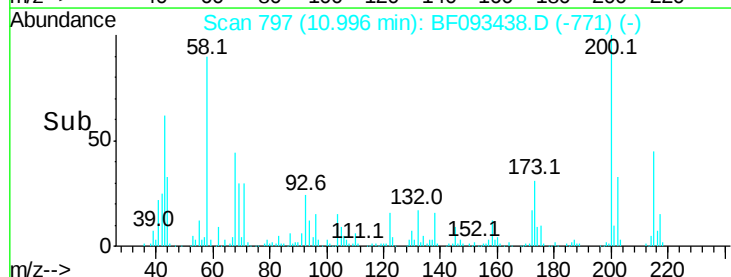
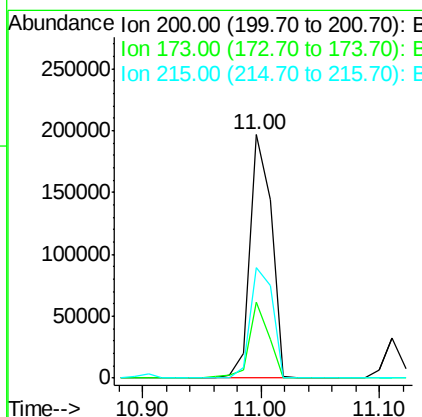
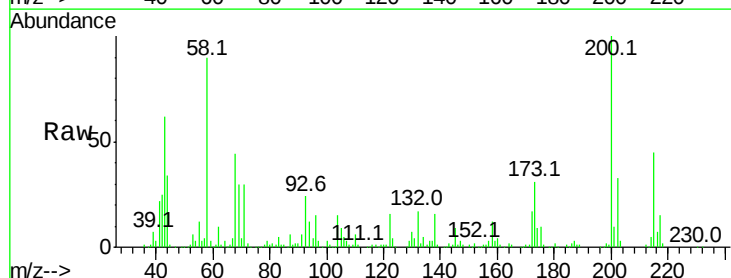
Manual Integrations
APPROVED

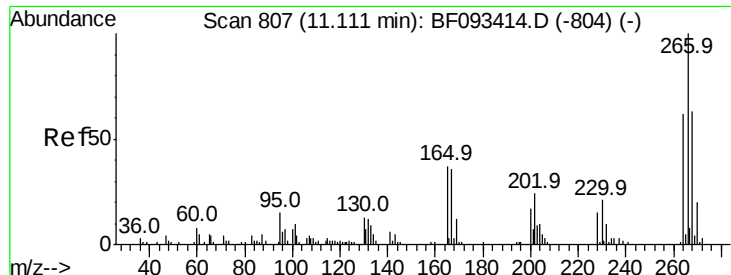
mohammad
3/10/2017 8:11:50 AM



#68
Atrazine
Concen: 41.10 ng
RT: 11.00 min Scan# 797
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	250819		
173	31.0	9.6	49.6	
215	45.3	25.7	65.7	





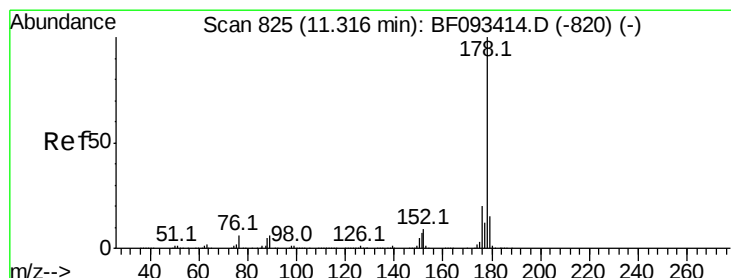
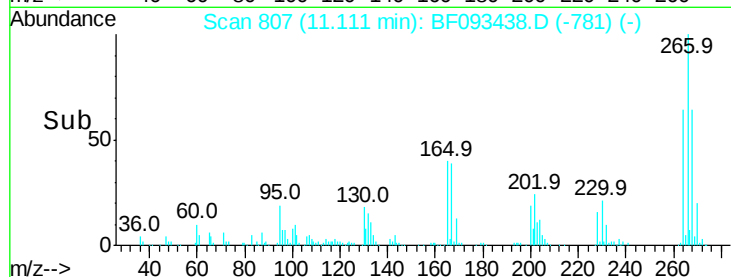
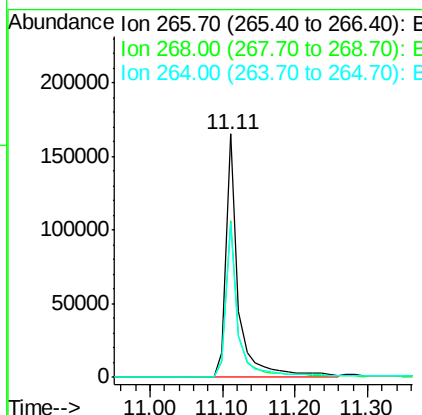
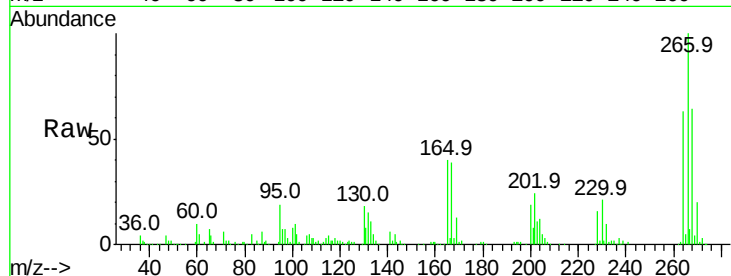
#69
 Pentachlorophenol
 Concen: 90.76 ng
 RT: 11.11 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	197594		
268	64.2	53.3	79.9	
264	63.5	50.3	75.5	

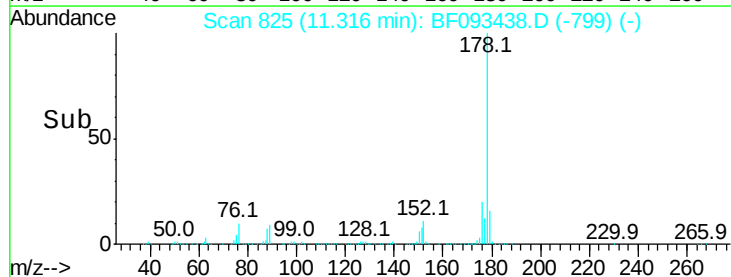
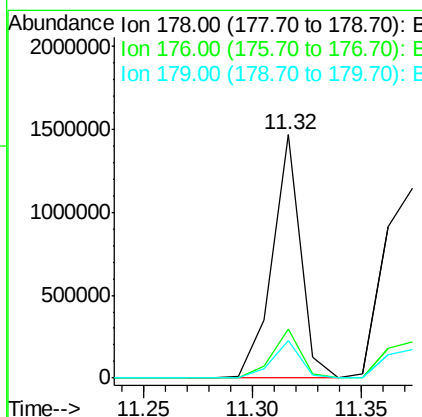
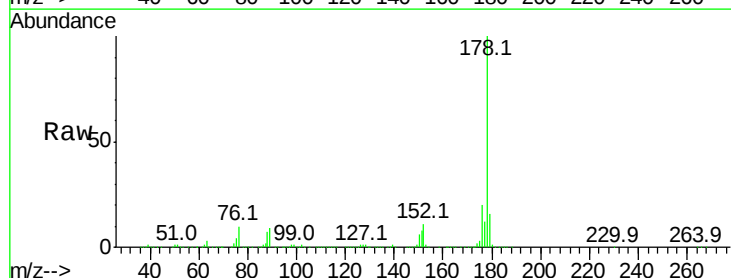
Manual Integrations
 APPROVED

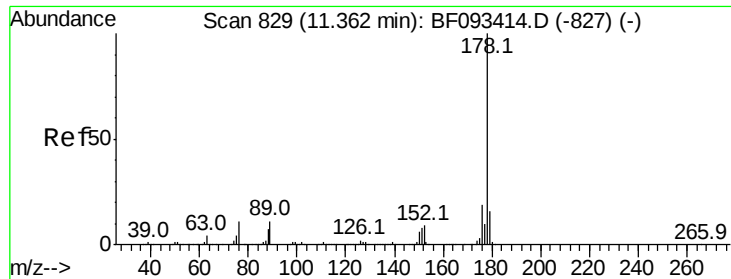
mohammad
 3/10/2017 8:11:50 AM



#70
 Phenanthrene
 Concen: 37.66 ng
 RT: 11.32 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1342314		
176	20.3	16.6	25.0	
179	15.7	12.8	19.2	





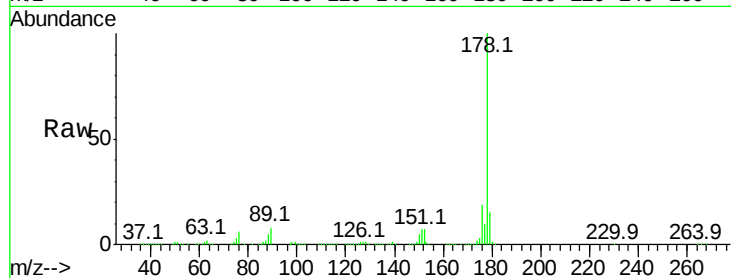
#71
 Anthracene
 Concen: 40.78 ng
 RT: 11.37 min Scan# 830
 Delta R.T. 0.01 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

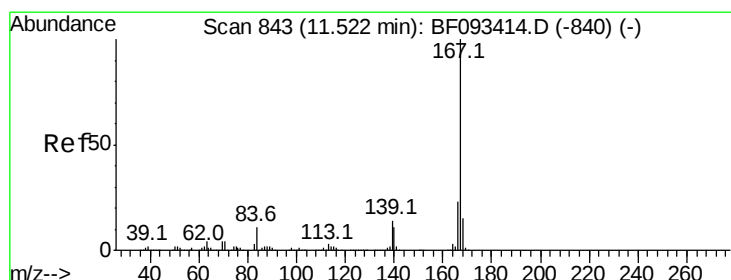
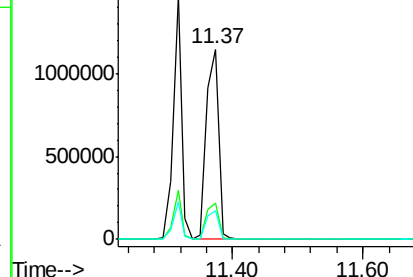
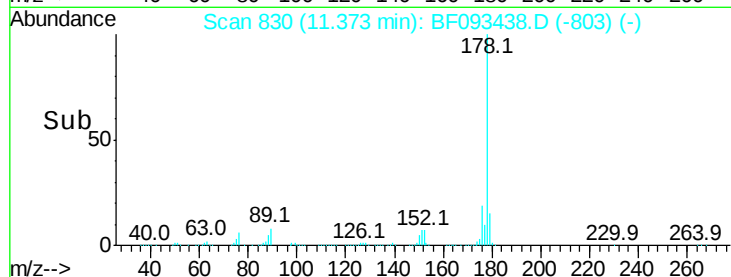
Tot Ion:178 Resp: 1470523
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.9 23.9
 179 15.2 13.2 19.8

Manual Integrations
 APPROVED

mohammad
 3/10/2017 8:11:50 AM

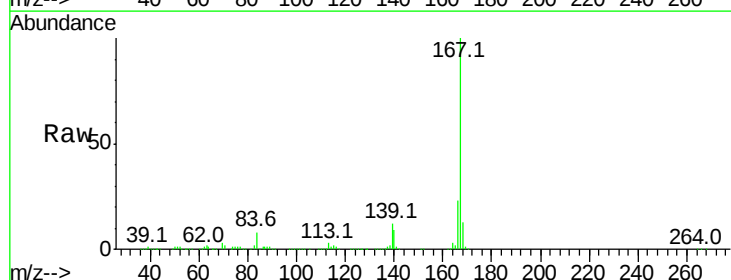


Abundance Ion 178.00 (177.70 to 178.70): E
 2000000
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

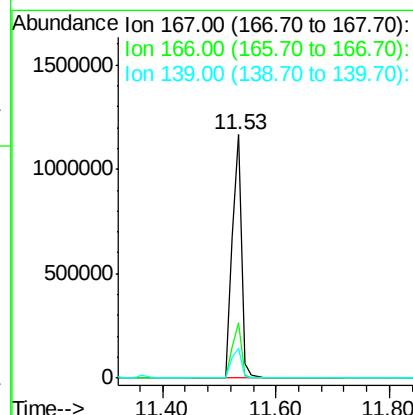
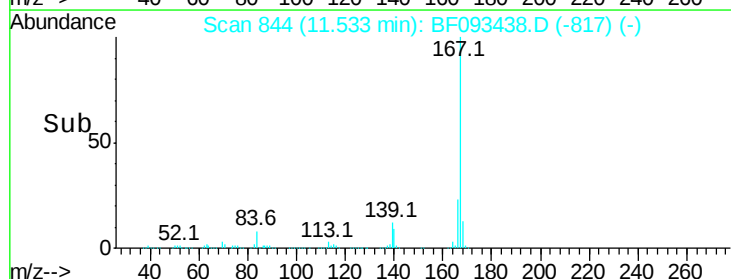


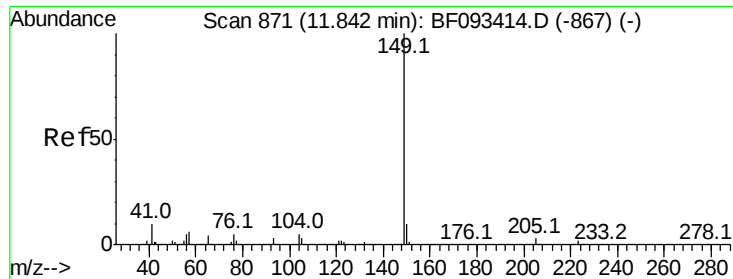
#72
 Carbazole
 Concen: 39.46 ng
 RT: 11.53 min Scan# 844
 Delta R.T. 0.01 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion:167 Resp: 1336721
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.2 27.2
 139 12.3 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E
 1500000
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.06 ng

RT: 11.85 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Instrument :

BNA_F

ClientSampleId :

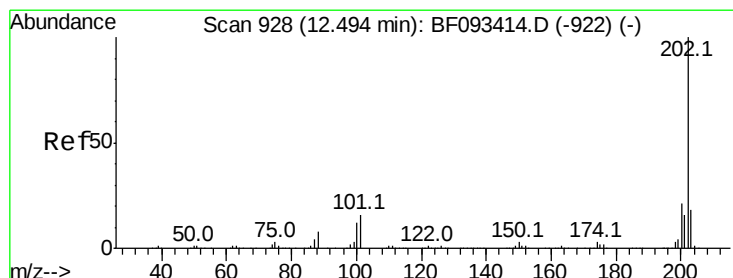
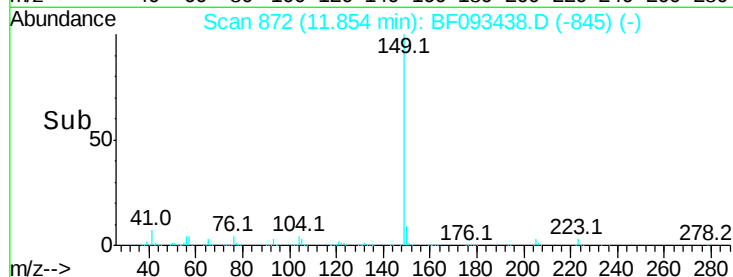
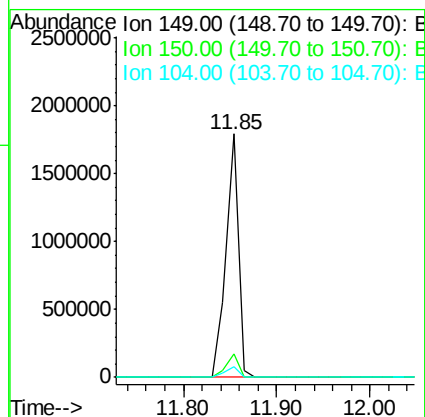
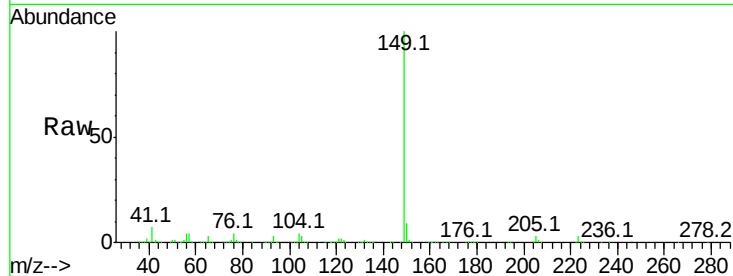
PB97449BSD

Tot Ion:149 Resp: 1648464

Ion	Ratio	Lower	Upper
149	100		
150	9.4	8.1	12.1
104	4.4	4.6	7.0

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM



#74

Fluoranthene

Concen: 39.34 ng

RT: 12.50 min Scan# 929

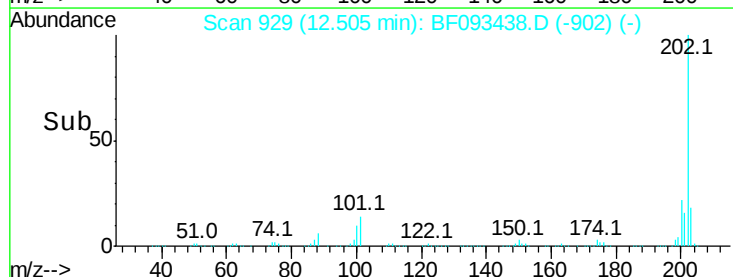
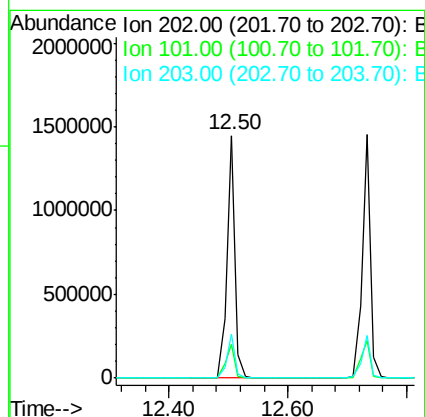
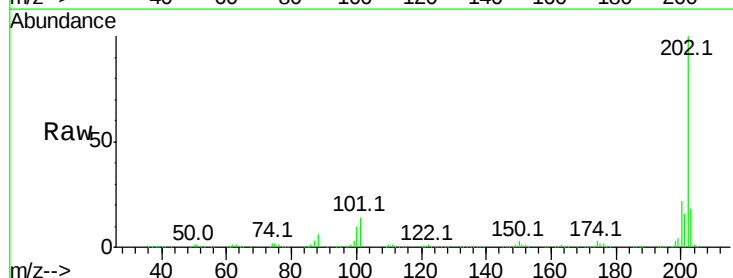
Delta R.T. 0.01 min

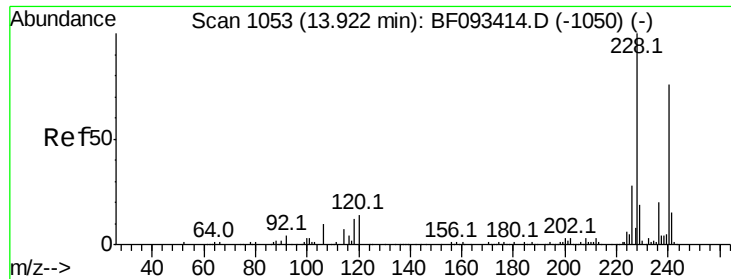
Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tgt Ion:202 Resp: 1354520

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.6
203	18.3	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Instrument :

BNA_F

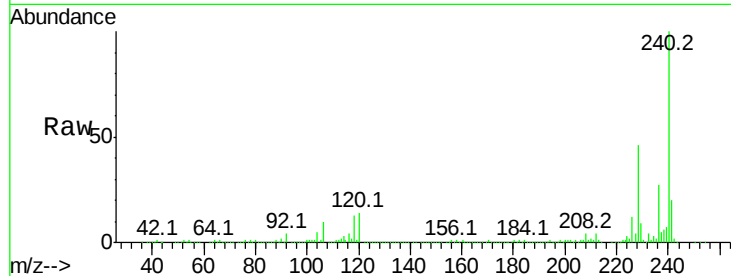
ClientSampleId :

PB97449BSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.1	12.9	19.3
236	26.5	20.9	31.3

Manual Integrations
APPROVED

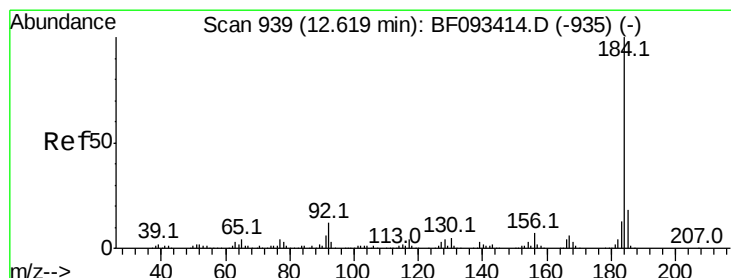
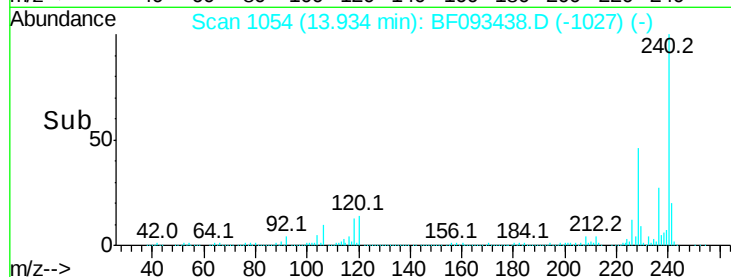
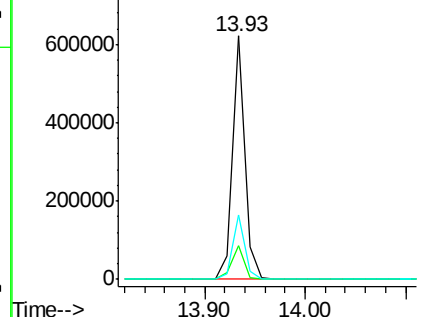
mohammad
3/10/2017 8:11:50 AM



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: 29.41 ng

RT: 12.63 min Scan# 940

Delta R.T. 0.01 min

Lab File: BF093438.D

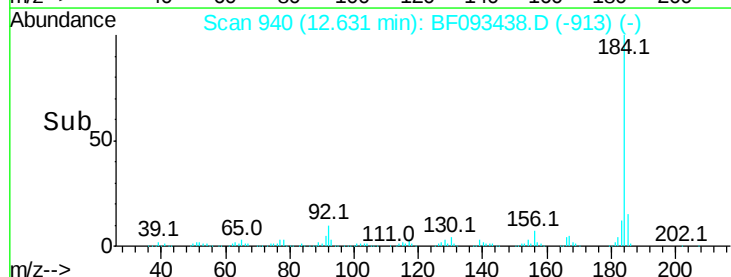
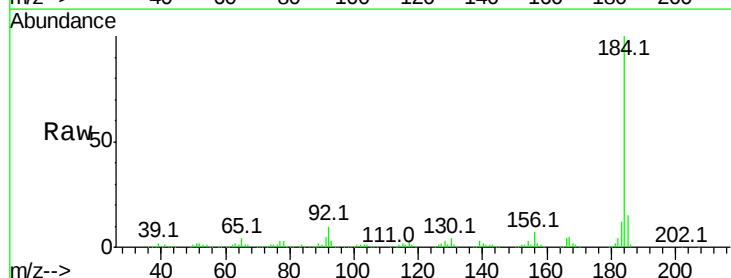
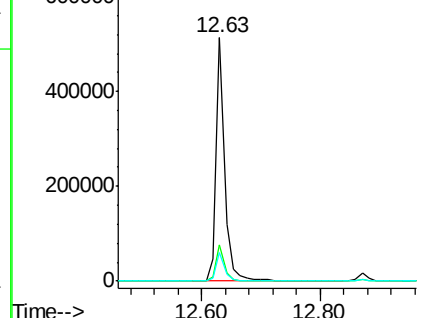
Acq: 8 Mar 2017 19:45

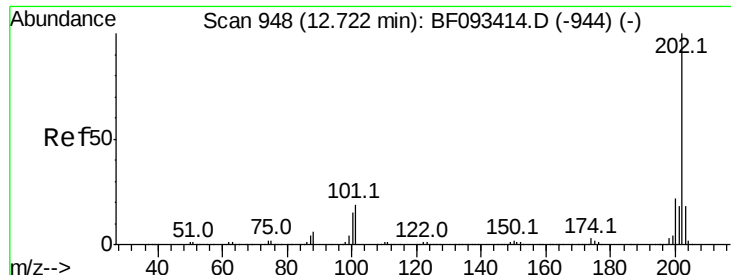
Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.7	13.4	20.0
183	11.5	9.2	13.8

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





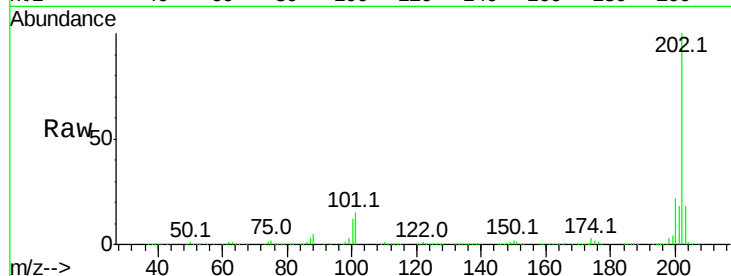
#77
Pvrene
Concen: 36.03 ng
RT: 12.73 min Scan# 949
Delta R.T. 0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

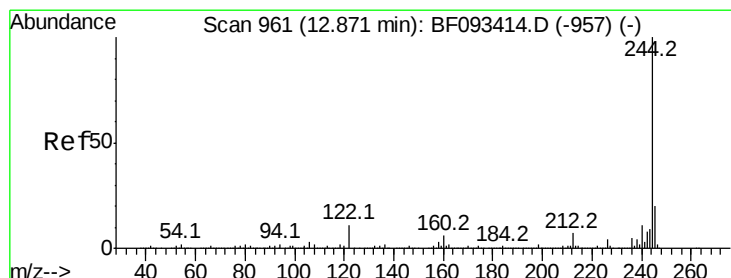
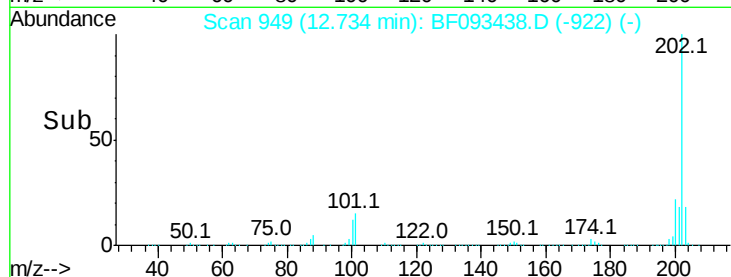
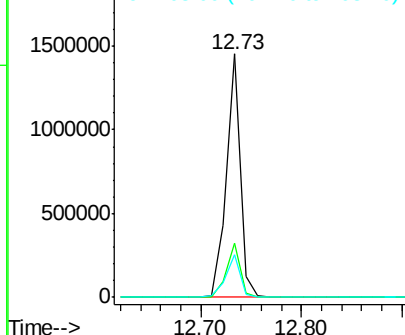
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.7	26.5
203	17.7	14.7	22.1

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM

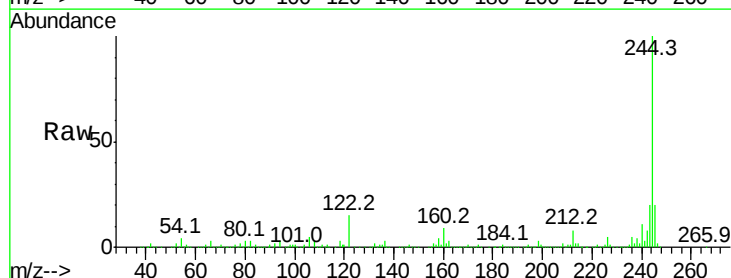


Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

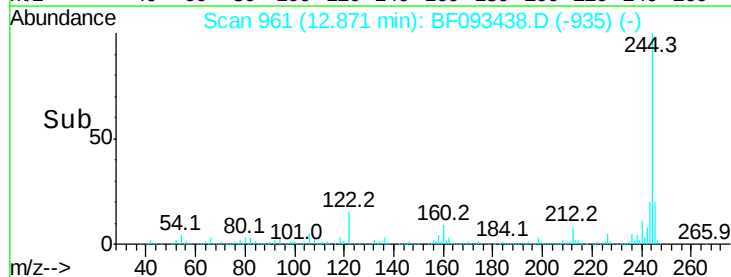
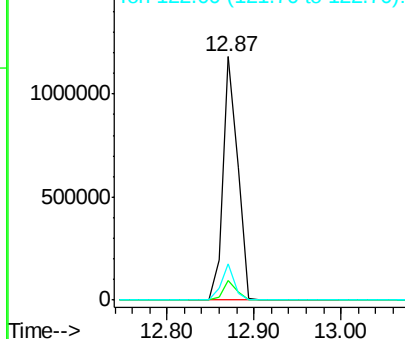


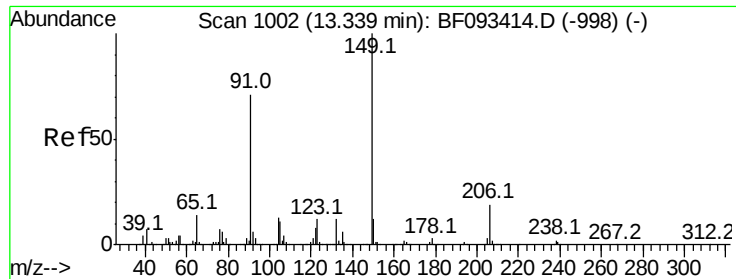
#78
Terphenyl-d14
Concen: 68.35 ng
RT: 12.87 min Scan# 961
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	14.7	11.4	17.2



Abundance Ion 244.00 (243.70 to 244.70): E
1500000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





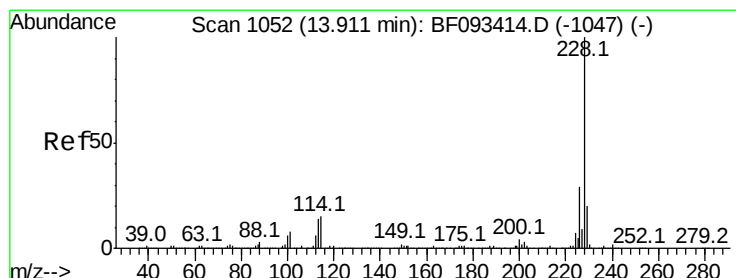
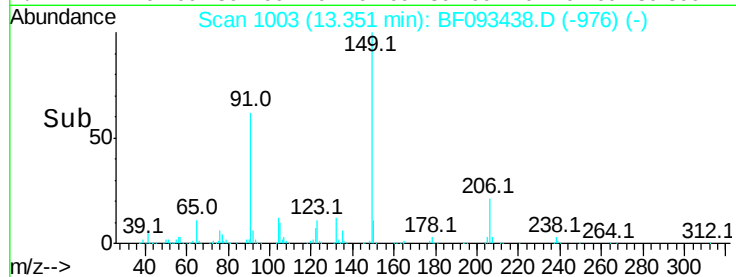
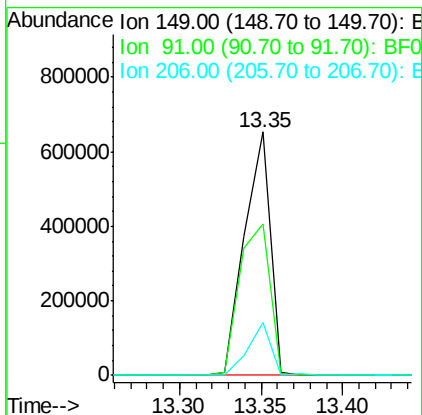
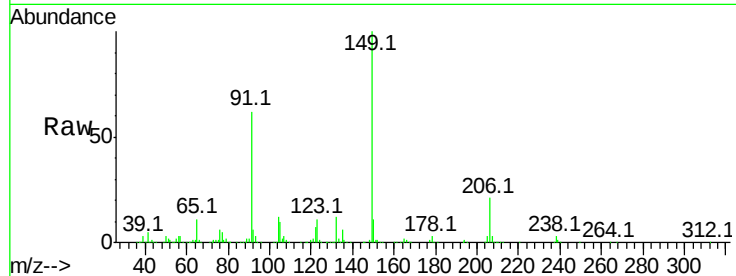
#79
Butylbenzylphthalate
Concen: 44.00 ng
RT: 13.35 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	716262		
91	62.5	63.9	95.9#	
206	21.5	14.6	21.8	

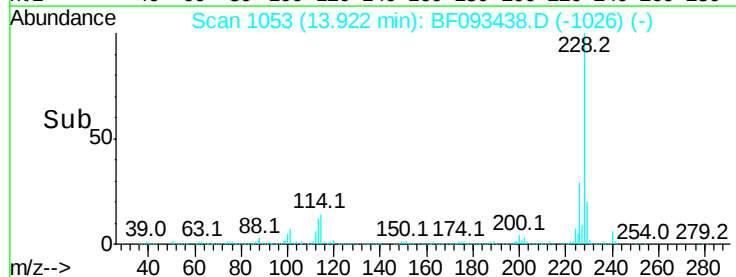
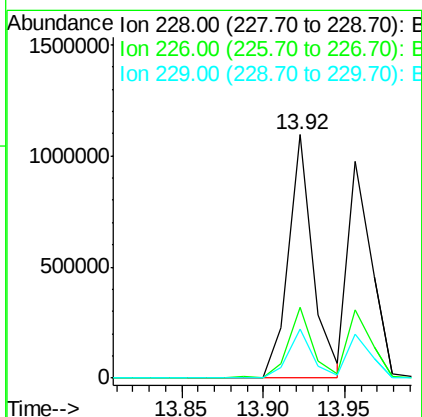
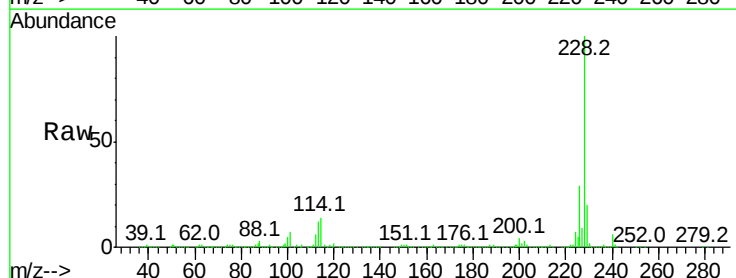
Manual Integrations
APPROVED

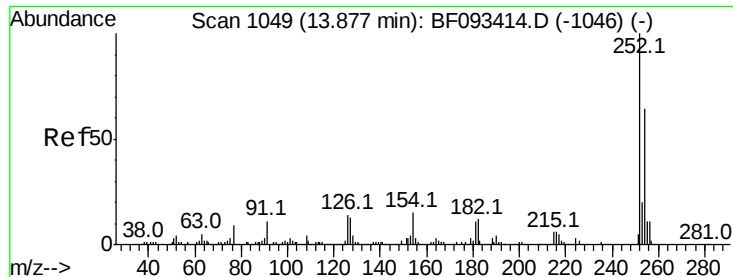
mohammad
3/10/2017 8:11:50 AM



#80
Benzo(a)anthracene
Concen: 36.57 ng
RT: 13.92 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1148272		
226	28.9	22.4	33.6	
229	20.1	16.2	24.4	





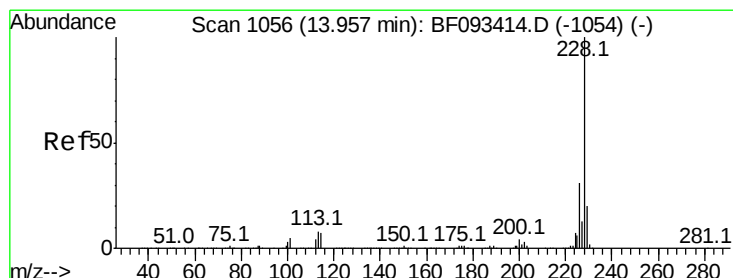
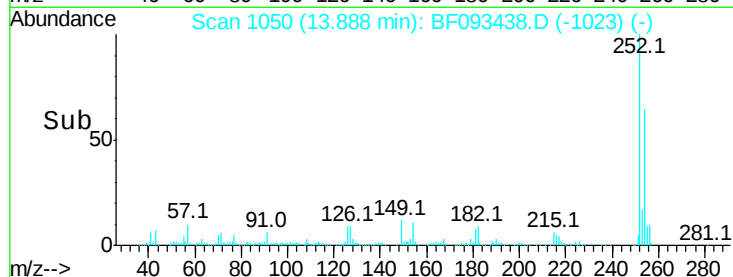
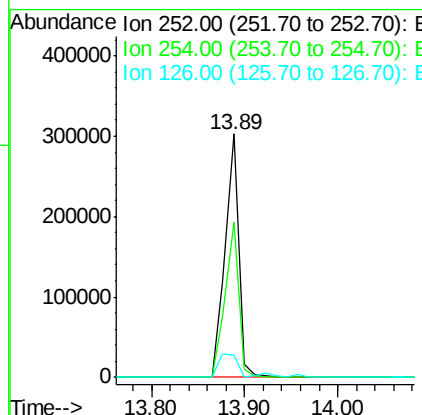
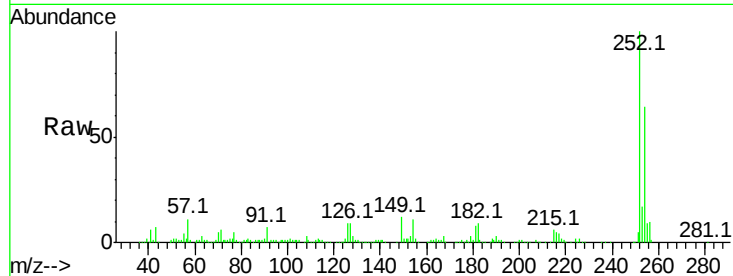
#81
 3,3'-Dichlorobenzidine
 Concen: 27.83 ng
 RT: 13.89 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
254	63.7	52.3	78.5	
126	9.3	13.6	20.4	

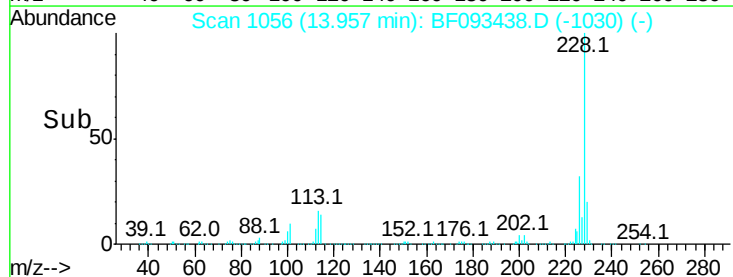
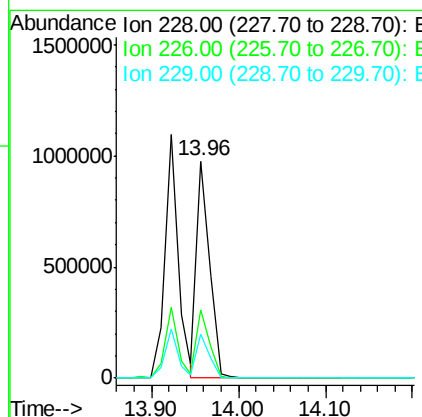
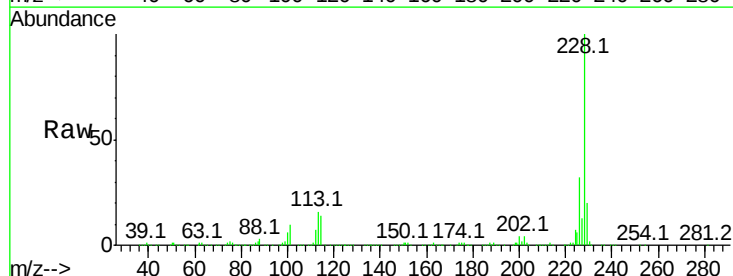
Manual Integrations
 APPROVED

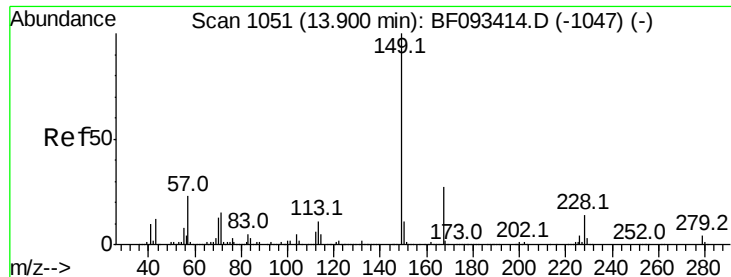
mohammad
 3/10/2017 8:11:50 AM



#82
 Chrysene
 Concen: 34.77 ng
 RT: 13.96 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.7	25.4	38.0	
229	20.5	16.2	24.2	





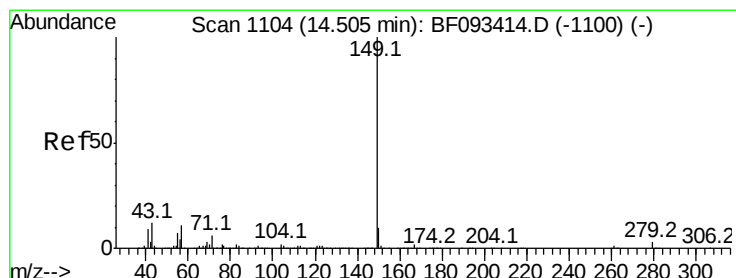
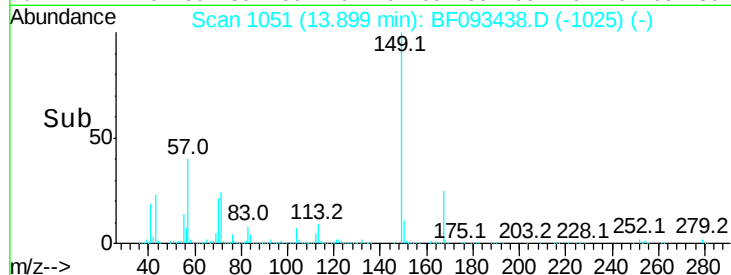
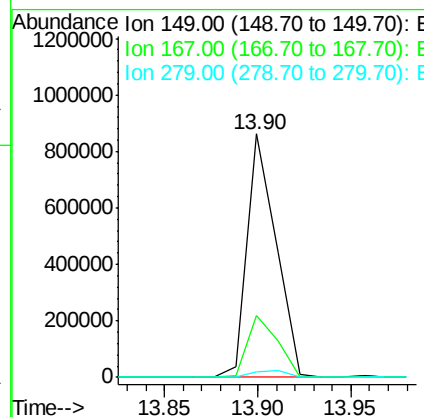
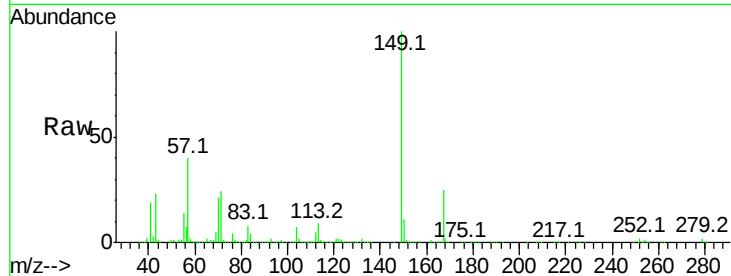
#83
Bis(2-ethylhexyl)phthalate
Concen: 40.87 ng
RT: 13.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	927387		
167	25.2		20.2	30.4
279	2.1		1.8	2.8

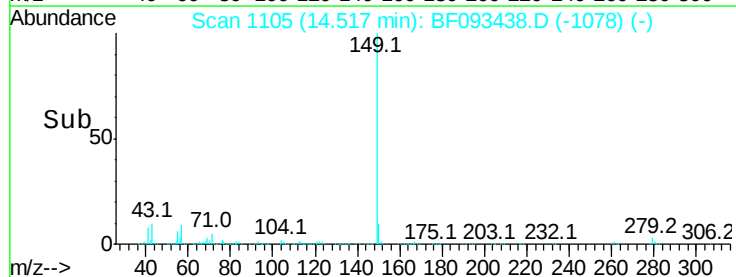
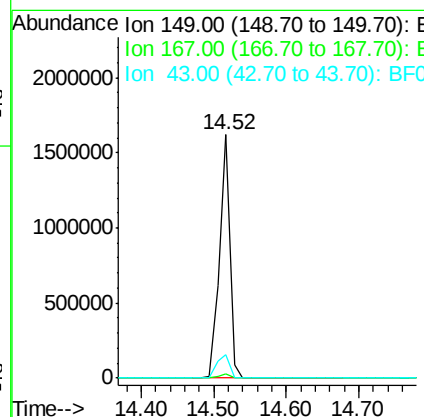
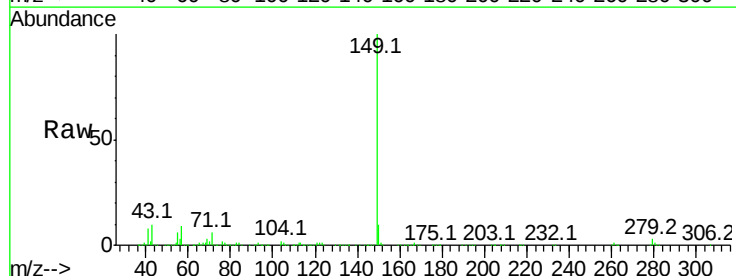
Manual Integrations
APPROVED

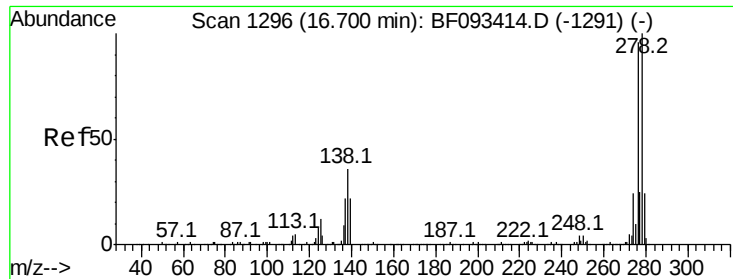
mohammad
3/10/2017 8:11:50 AM



#84
Di-n-octyl phthalate
Concen: 42.53 ng
RT: 14.52 min Scan# 1105
Delta R.T. 0.01 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1608409		
167	1.5		1.3	1.9
43	12.1		8.9	13.3





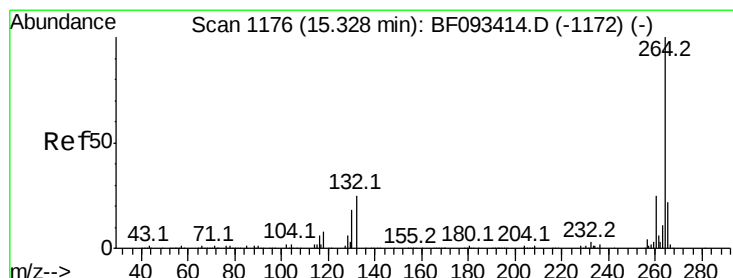
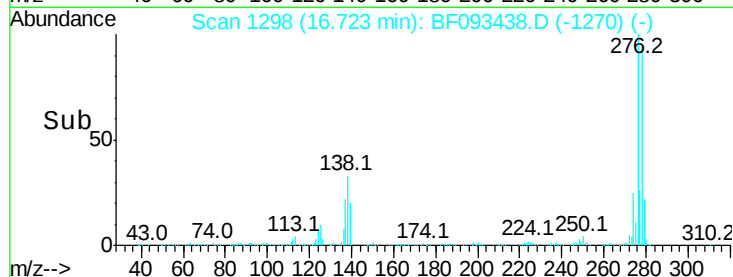
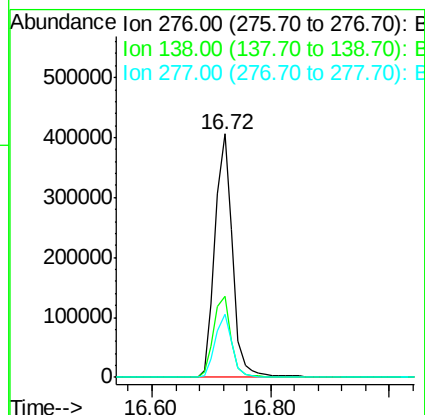
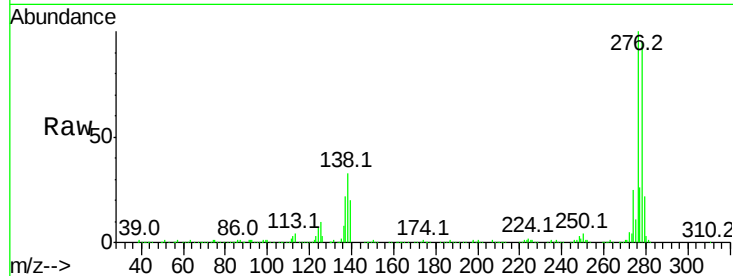
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 34.32 ng
 RT: 16.72 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampled :
 PB97449BSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.8	21.8	32.6#
277	25.2	20.2	30.4

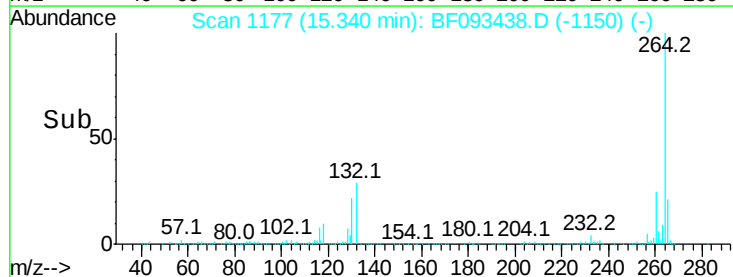
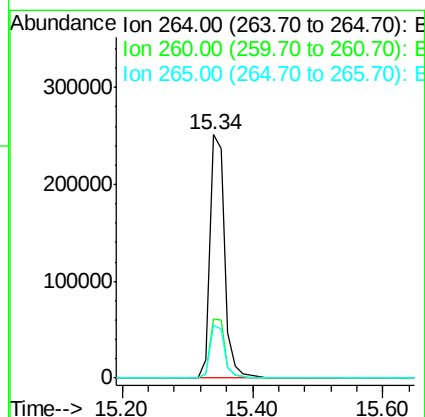
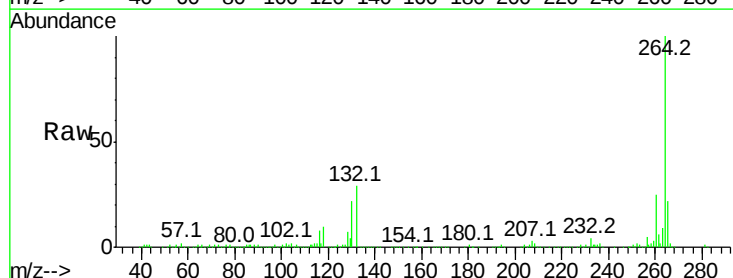
Manual Integrations
 APPROVED

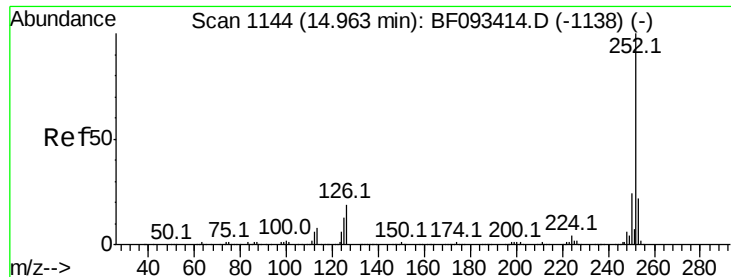
mohammad
 3/10/2017 8:11:50 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.34 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.6	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 46.66 ng m

RT: 14.95 min Scan# 1143

Delta R.T. 0.01 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Instrument :

BNA_F

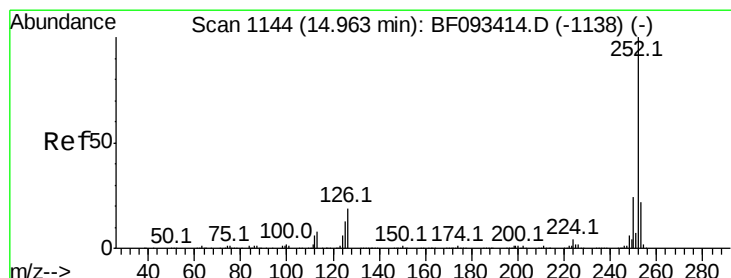
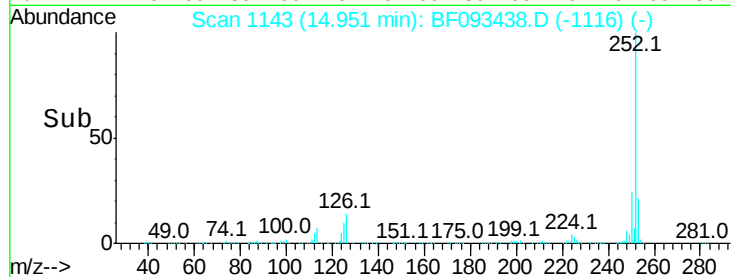
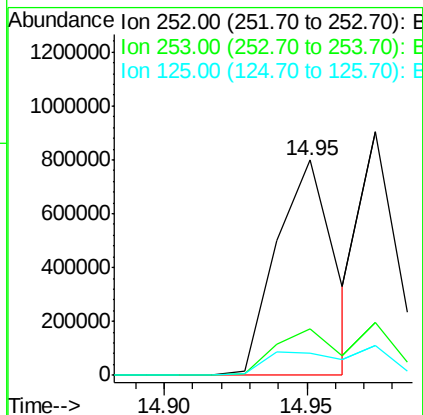
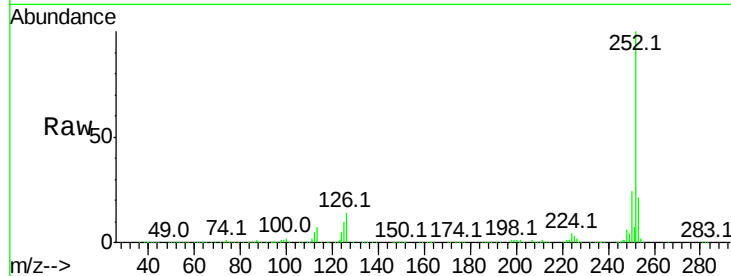
ClientSampleId :

PB97449BSD

Tot Ion:	252	Resp:	1131015
Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.4
125	10.4	9.8	14.6

Manual Integrations
APPROVED

mohammad
3/10/2017 8:11:50 AM



#88

Benzo(k)fluoranthene

Concen: 35.04 ng m

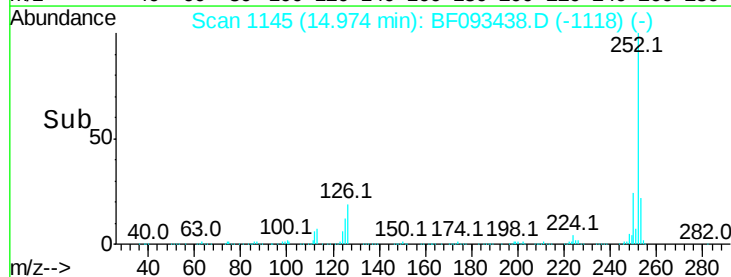
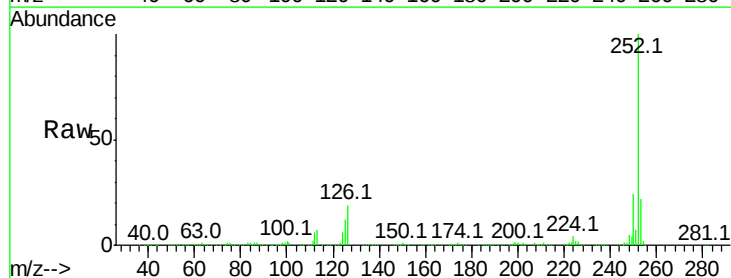
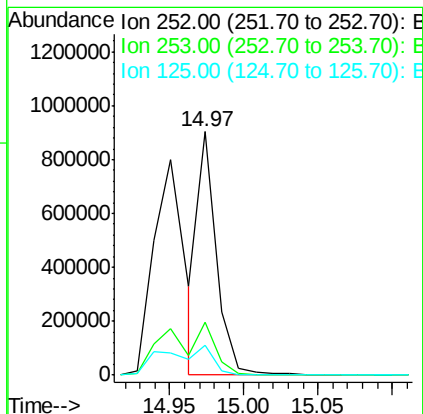
RT: 14.97 min Scan# 1145

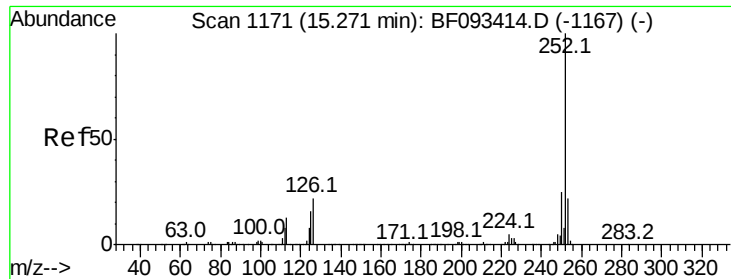
Delta R.T. 0.01 min

Lab File: BF093438.D

Acq: 8 Mar 2017 19:45

Tgt Ion:	252	Resp:	819021
Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.5	27.7
125	12.1	8.9	13.3





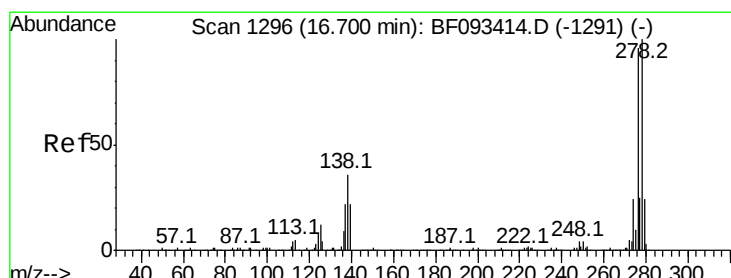
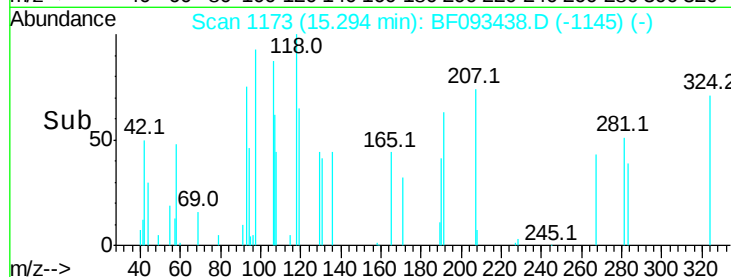
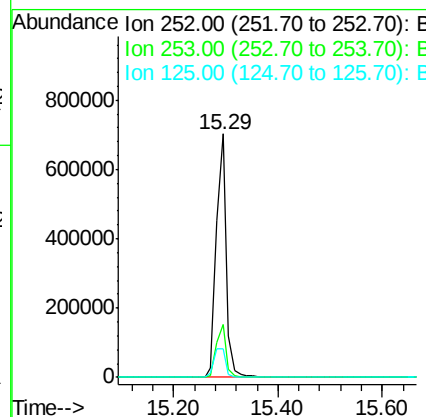
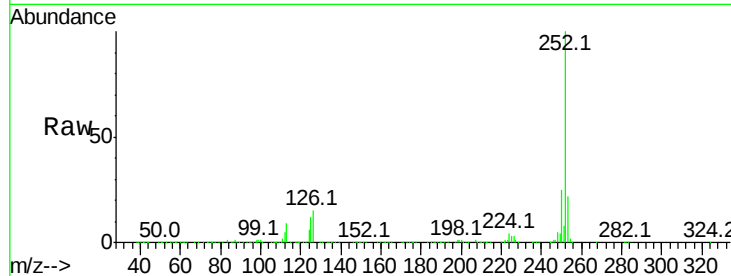
#89
Benzo(a)pyrene
Concen: 41.70 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Instrument :
BNA_F
ClientSampleId :
PB97449BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	11.7	10.0	15.0

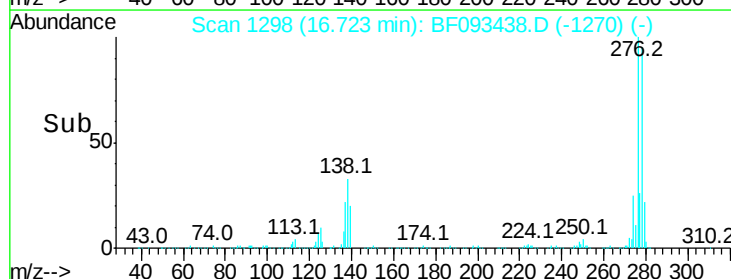
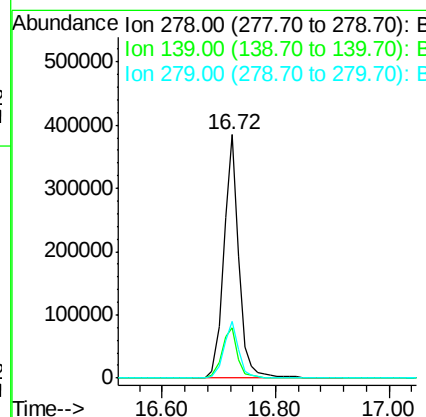
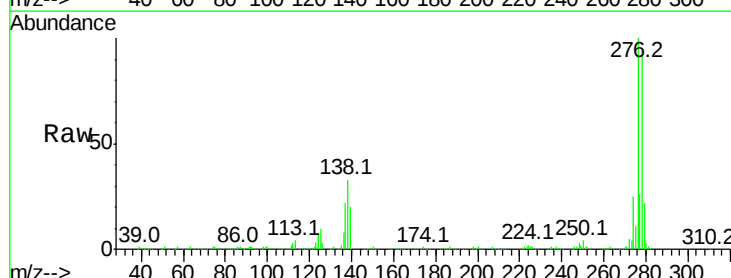
Manual Integrations
APPROVED

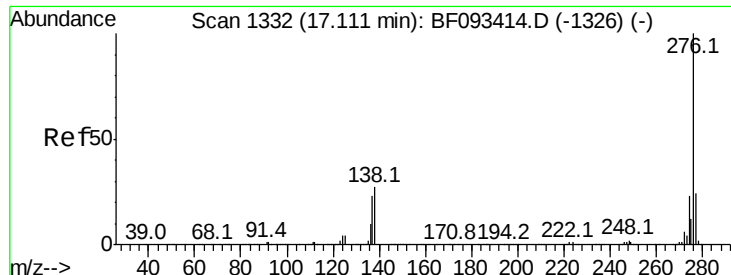
mohammad
3/10/2017 8:11:50 AM



#90
Dibenzo(a,h)anthracene
Concen: 38.54 ng
RT: 16.72 min Scan# 1298
Delta R.T. 0.02 min
Lab File: BF093438.D
Acq: 8 Mar 2017 19:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.6	14.8	22.2
279	23.2	19.8	29.6





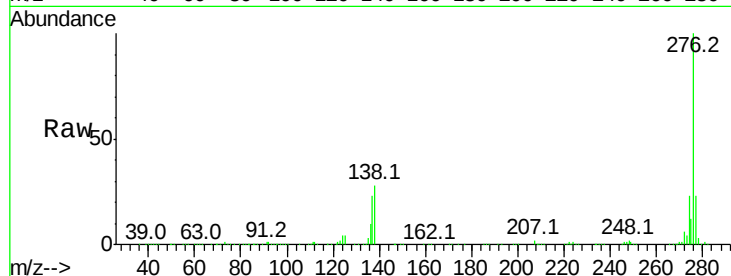
#91
 Benzo(a,h,i)perylene
 Concen: 39.01 ng
 RT: 17.13 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: BF093438.D
 Acq: 8 Mar 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 PB97449BSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	27.6	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 3/10/2017 8:11:50 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

