

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093653.D
 Acq On : 14 Mar 2017 12:40
 Operator : SJ/MA
 Sample : PB97542BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97542BS

Manual Integrations
 APPROVED

mohammad
 3/15/2017 5:39:01 PM

Quant Time: Mar 15 04:53:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	176901	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	747119	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	341260	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	614945	20.00	ng	0.00
75) Chrysene-d12	13.90	240	446975	20.00	ng	0.01
86) Perylene-d12	15.31	264	315220	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1344462	126.49	ng	-0.01
7) Phenol-d6	6.37	99	1687806	125.92	ng	-0.01
23) Nitrobenzene-d5	7.29	82	1138956	84.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	316263	142.24	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	1689615	92.09	ng	0.00
78) Terphenyl-d14	12.84	244	1421054	82.66	ng	0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.22	88	164880	28.16	ng	# 79
3) Pyridine	2.89	79	411967	27.60	ng	87
4) n-Nitrosodimethylamine	2.86	42	288228	40.43	ng	80
6) Aniline	6.39	93	554748	30.16	ng	95
8) 2-Chlorophenol	6.50	128	499258	41.92	ng	96
9) Benzaldehyde	6.30	77	37931	3.00	ng	86
10) Phenol	6.39	94	670313	40.81	ng	93
11) bis(2-Chloroethyl)ether	6.45	93	566258	42.66	ng	89
12) 1,3-Dichlorobenzene	6.64	146	526069	38.59	ng	# 91
13) 1,4-Dichlorobenzene	6.72	146	551113	39.49	ng	99
14) 1,2-Dichlorobenzene	6.88	146	482667	39.05	ng	96
15) Benzyl Alcohol	6.88	79	362819	37.97	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.00	45	870908	39.49	ng	52
17) 2-Methylphenol	7.00	107	430673	42.76	ng	# 88
18) Hexachloroethane	7.21	117	191076	40.60	ng	98
19) n-Nitroso-di-n-propylamine	7.14	70	388198	42.13	ng	# 94
20) 3+4-Methylphenols	7.16	107	626588	47.96	ng	# 72
22) Acetophenone	7.13	105	716364	39.84	ng	# 99
24) Nitrobenzene	7.30	77	588571	38.89	ng	96
25) Isophorone	7.54	82	1072477	39.50	ng	# 93
26) 2-Nitrophenol	7.62	139	284312	41.18	ng	# 88
27) 2,4-Dimethylphenol	7.68	122	420821	37.47	ng	95
28) bis(2-Chloroethoxy)methane	7.76	93	709013	41.36	ng	99
29) 2,4-Dichlorophenol	7.89	162	433793	41.05	ng	93
30) 1,2,4-Trichlorobenzene	7.94	180	414532	36.89	ng	95
31) Naphthalene	8.02	128	1397984	37.34	ng	99
32) Benzoic acid	7.85	122	244412	41.87	ng	97
33) 4-Chloroaniline	8.10	127	332404	21.88	ng	# 93
34) Hexachlorobutadiene	8.14	225	223193	38.56	ng	98
35) Caprolactam	8.48	113	150522m	41.71	ng	
36) 4-Chloro-3-methylphenol	8.60	107	500215	44.35	ng	95
37) 2-Methylnaphthalene	8.72	142	924881	38.83	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.89	216	398622	42.78	ng	99
40) Hexachlorocyclopentadiene	8.86	237	187383	79.74	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	265267	45.56	nq	95
43) 2,4,5-Trichlorophenol	9.08	196	241116	38.60	nq #	88
45) 1,1'-Biphenyl	9.18	154	1084694	43.63	nq	96
46) 2-Chloronaphthalene	9.21	162	889066	46.72	nq	97
47) 2-Nitroaniline	9.33	65	315182	46.85	nq	96
48) Acenaphthylene	9.62	152	1391025	44.32	nq	99
49) Dimethylphthalate	9.50	163	1078104	47.65	nq	100
50) 2,6-Dinitrotoluene	9.57	165	231626	46.66	nq #	75
51) Acenaphthene	9.80	154	848224	45.71	nq	97
52) 3-Nitroaniline	9.75	138	172809	28.97	nq	84
53) 2,4-Dinitrophenol	9.88	184	184342	81.54	nq #	69
54) Dibenzofuran	9.97	168	1144811	49.29	nq	98
55) 4-Nitrophenol	9.96	139	192774m	66.55	nq	
56) 2,4-Dinitrotoluene	9.98	165	312669	51.27	nq #	80
57) Fluorene	10.31	166	902902	45.87	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.10	232	232754	52.79	nq	94
59) Diethylphthalate	10.20	149	1076467	49.78	nq	97
60) 4-Chlorophenyl-phenylether	10.30	204	401962	45.56	nq	94
61) 4-Nitroaniline	10.37	138	251401	41.22	nq	96
62) Azobenzene	10.46	77	1082487m	44.06	nq	
64) 4,6-Dinitro-2-methylphenol	10.40	198	139317	34.97	nq	85
65) n-Nitrosodiphenylamine	10.42	169	809978	39.45	nq	99
66) 4-Bromophenyl-phenylether	10.79	248	250686	38.55	nq	98
67) Hexachlorobenzene	10.86	284	245700	39.57	nq #	80
68) Atrazine	10.96	200	207265	34.49	nq	100
69) Pentachlorophenol	11.08	266	126928	59.21	nq	96
70) Phenanthrene	11.27	178	1343231	38.27	nq	99
71) Anthracene	11.33	178	1397525	39.36	nq	99
72) Carbazole	11.50	167	1322191	39.64	nq	98
73) Di-n-butylphthalate	11.82	149	1646431	42.66	nq #	96
74) Fluoranthene	12.47	202	1402048	41.35	nq	93
76) Benzidine	12.61	184	357279	24.31	nq	97
77) Pyrene	12.69	202	1390272	42.77	nq	100
79) Butylbenzylphthalate	13.31	149	655663	47.91	nq	97
80) Benzo(a)anthracene	13.89	228	1144764	43.37	nq	99
81) 3,3'-Dichlorobenzidine	13.85	252	303317	32.81	nq #	96
82) Chrysene	13.92	228	900302	36.87	nq	100
83) Bis(2-ethylhexyl)phthalate	13.87	149	894391	46.89	nq	100
84) Di-n-octyl phthalate	14.47	149	1408759	44.31	nq	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	803309	39.30	nq #	94
87) Benzo(b)fluoranthene	14.91	252	811834m	42.29	nq	
88) Benzo(k)fluoranthene	14.93	252	829848m	44.82	nq	
89) Benzo(a)pyrene	15.24	252	776483	44.26	nq #	95
90) Dibenzo(a,h)anthracene	16.64	278	679400	46.81	nq #	94
91) Benzo(g,h,i)perylene	17.05	276	730632	49.04	nq #	92

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

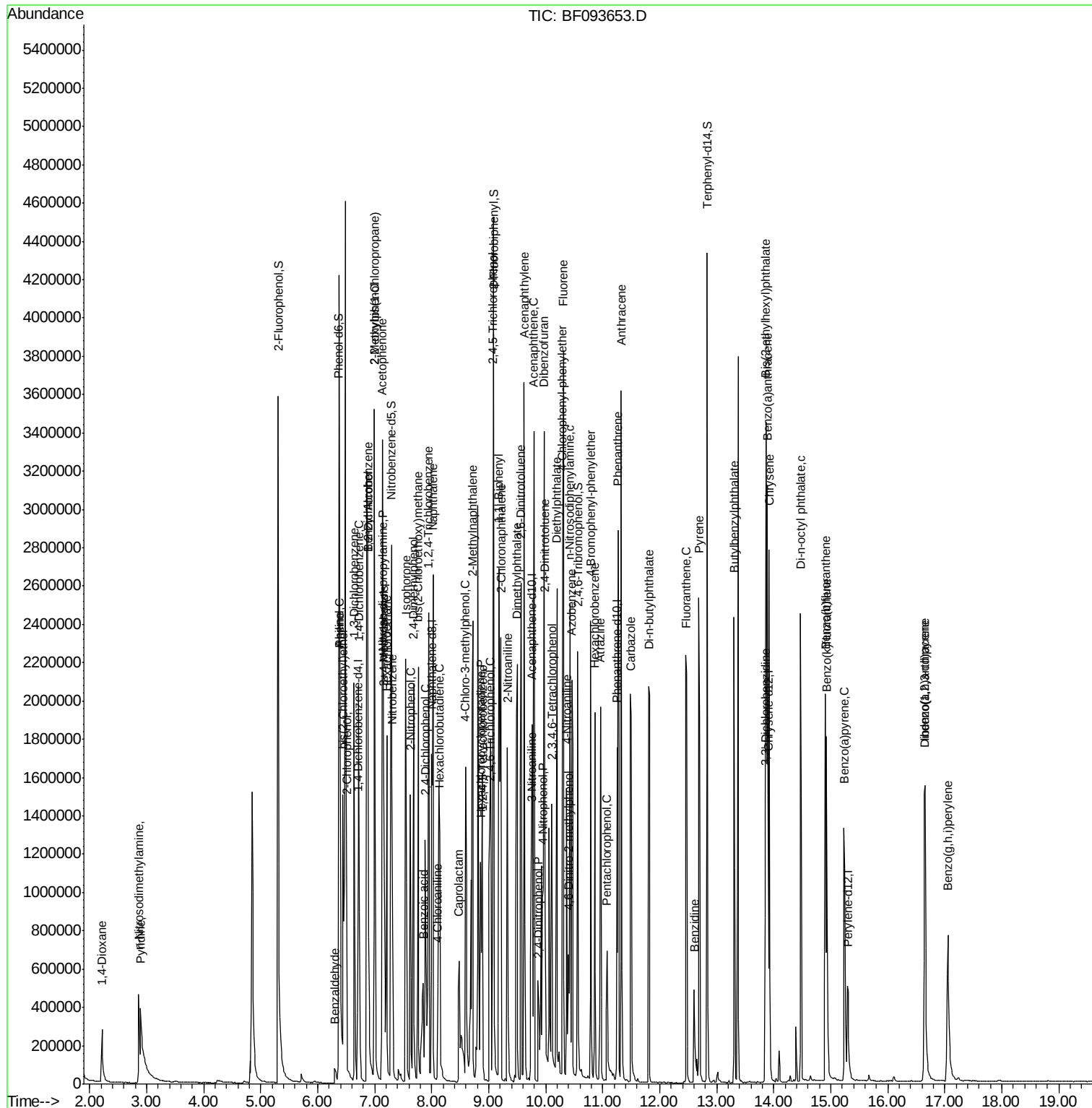
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Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\  
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Acq On    : 14 Mar 2017  12:40  
Operator  : SJ/MA  
Sample    : PB97542BS  
Misc      :  
ALS Vial  : 8      Sample Multiplier: 1
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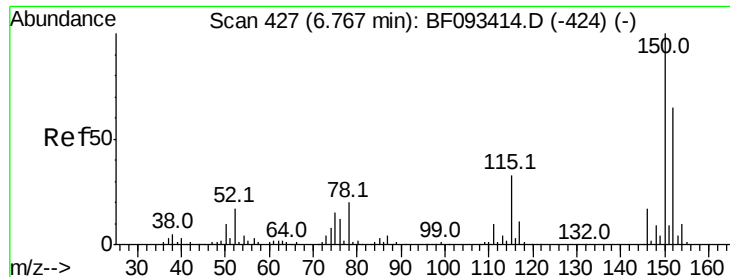
Instrument :
BNA_F
ClientSampleId :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

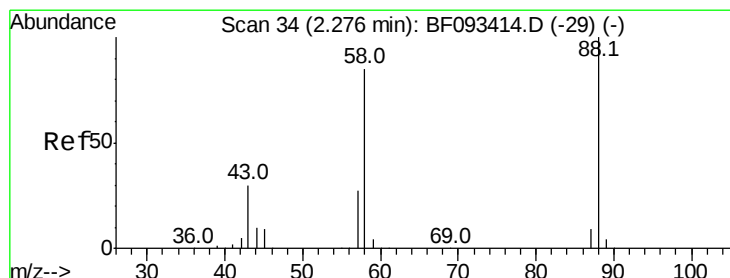
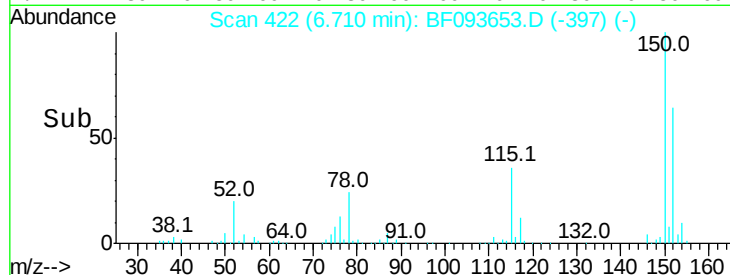
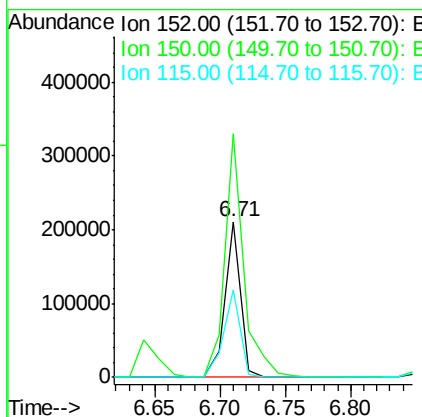
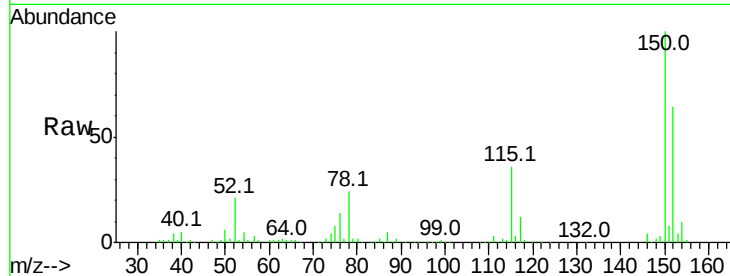
ClientSampled :

PB97542BS

Tot Ion:	152	Resp:	176901
Ion Ratio	Lower	Upper	
152	100		
150	156.2	124.9	187.3
115	56.0	46.0	69.0

Manual Integrations
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#2

1,4-Dioxane

Concen: 28.16 ng

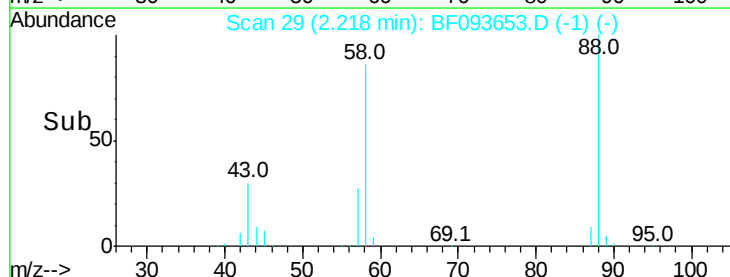
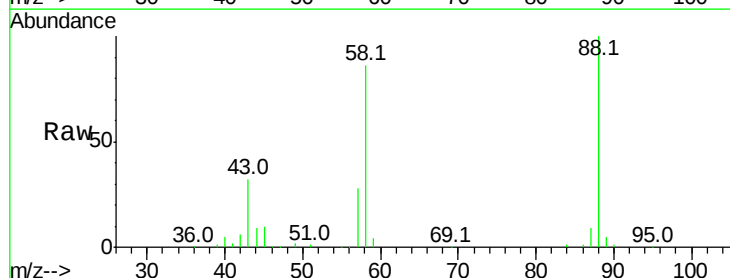
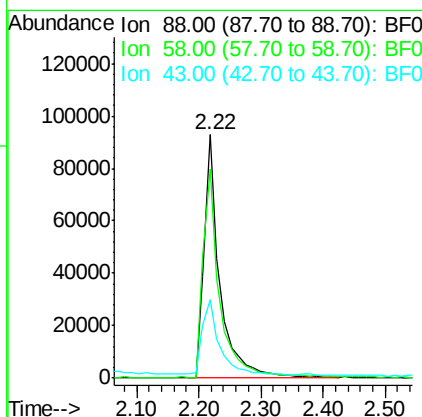
RT: 2.22 min Scan# 29

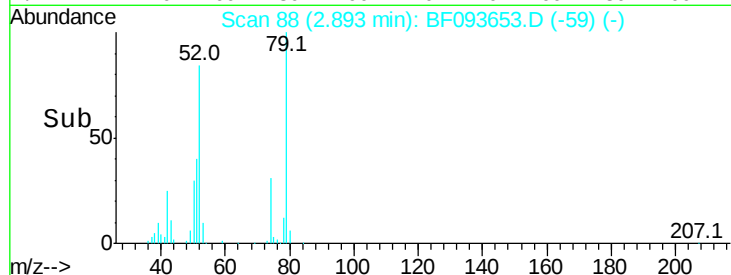
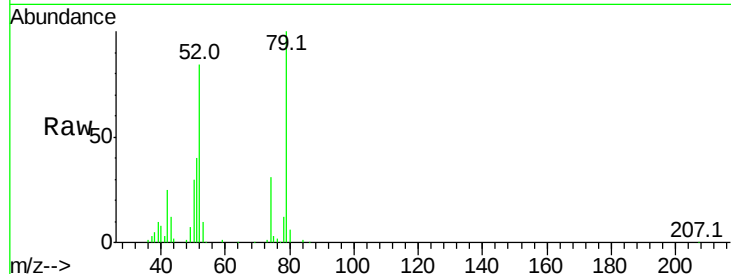
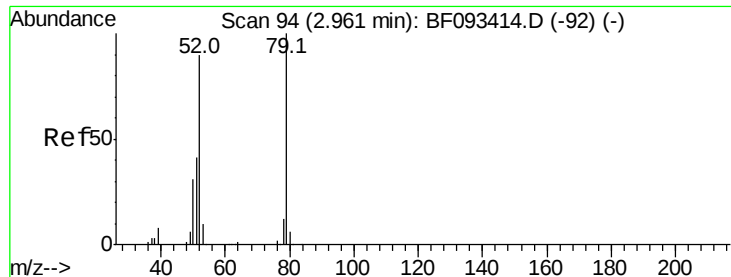
Delta R.T. 0.03 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Tgt Ion:	88	Resp:	164880
Ion Ratio	Lower	Upper	
88	100		
58	92.8	57.8	86.8#
43	33.8	22.3	33.5#





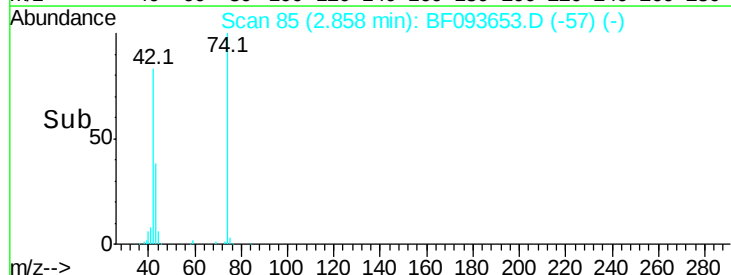
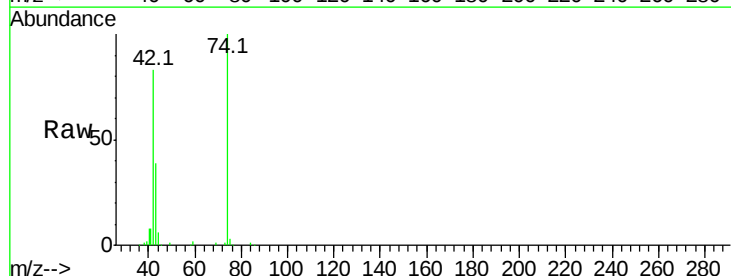
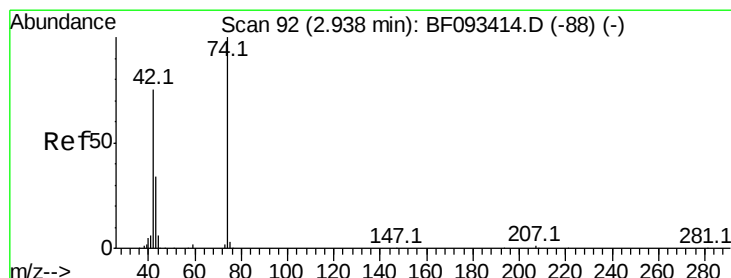
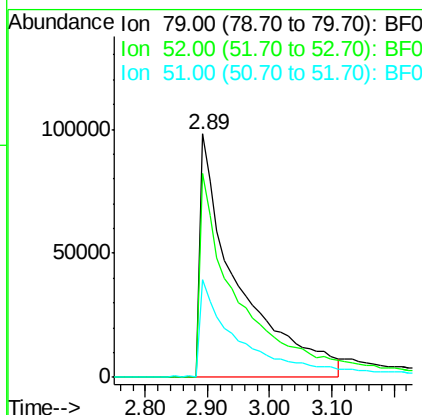
#3
Pvridine
Concen: 27.60 ng
RT: 2.89 min Scan# 88
Delta R.T. 0.03 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tot Ion	Ratio	Lower	Upper
79	100		
52	83.6	57.1	85.7
51	40.4	27.3	40.9

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PB97542BS

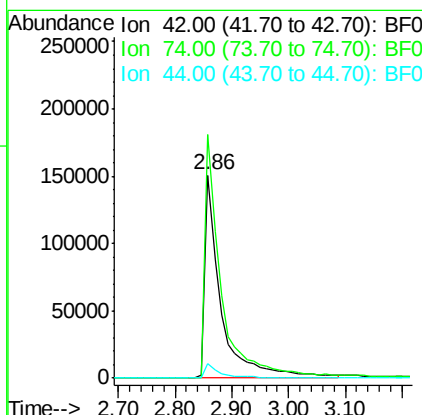
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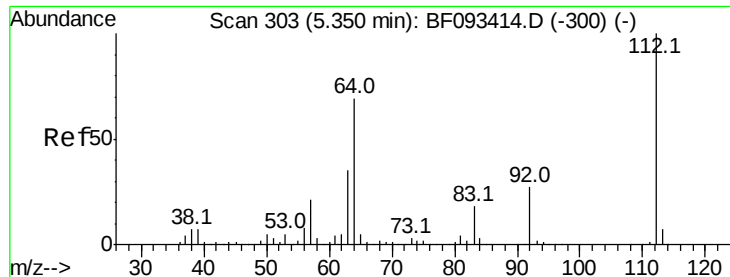
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#4
n-Nitrosodimethylamine
Concen: 40.43 ng
RT: 2.86 min Scan# 85
Delta R.T. 0.02 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
42	100		
74	120.0	117.0	175.4
44	7.2	5.5	8.3





#5

2-Fluorophenol

Concen: 126.49 ng

RT: 5.30 min Scan# 299

Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

ClientSampled :

PB97542BS

Tot Ion:112 Resp: 1344462

Ion Ratio Lower Upper

112 100

64 62.8 46.1 69.1

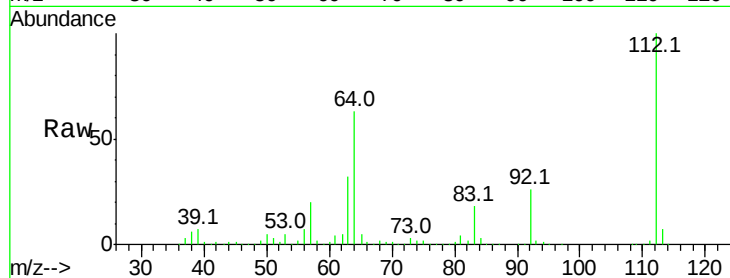
63 32.3 23.8 35.6

Manual Integrations

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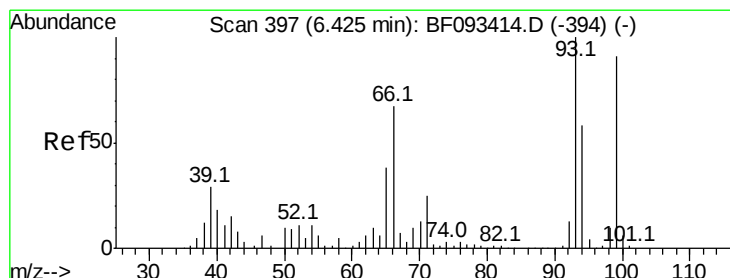
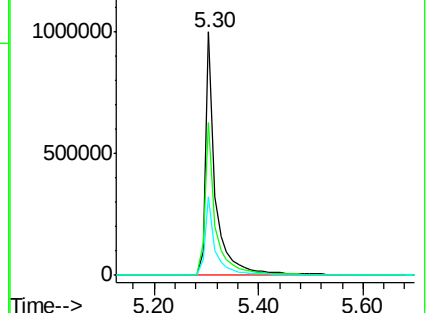
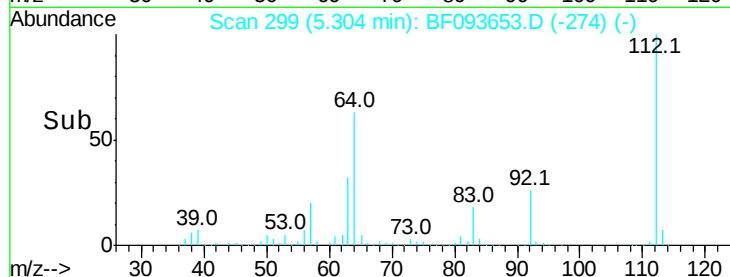
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 30.16 ng

RT: 6.39 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

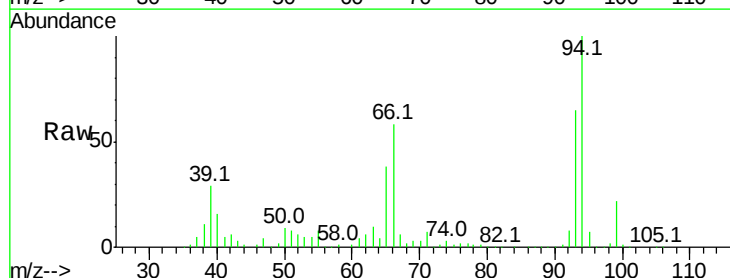
Tgt Ion: 93 Resp: 554748

Ion Ratio Lower Upper

93 100

66 90.3 76.2 114.2

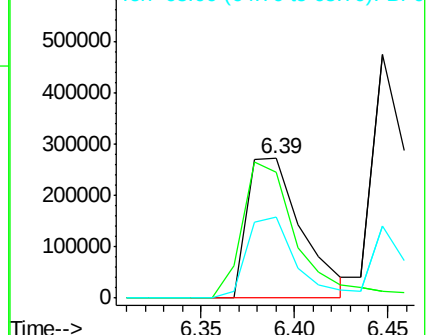
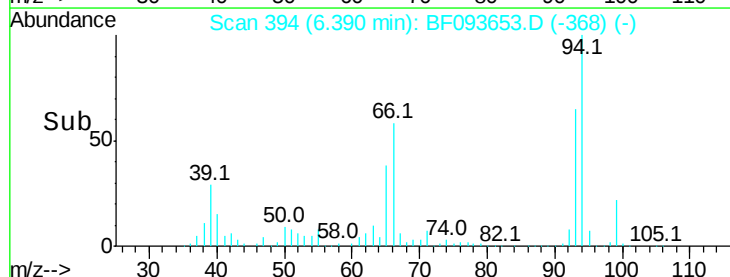
65 58.1 49.3 73.9

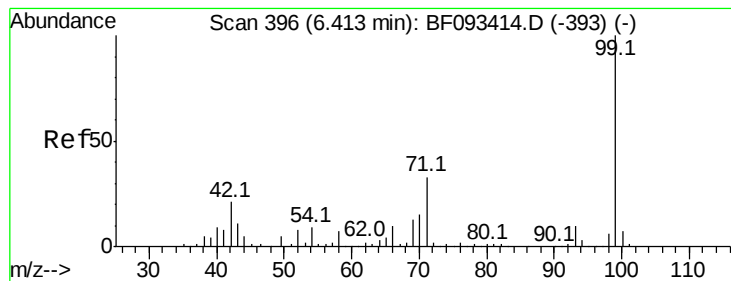


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 125.92 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

ClientSampleId :

PB97542BS

Tot Ion: 99 Resp: 1687806

Ion Ratio Lower Upper

99 100

42 22.1 15.6 23.4

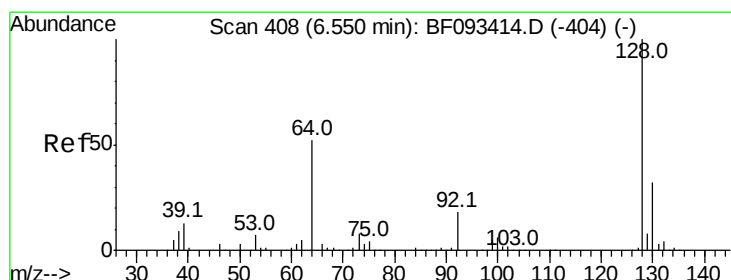
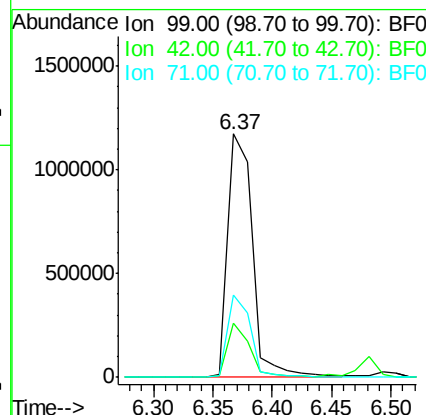
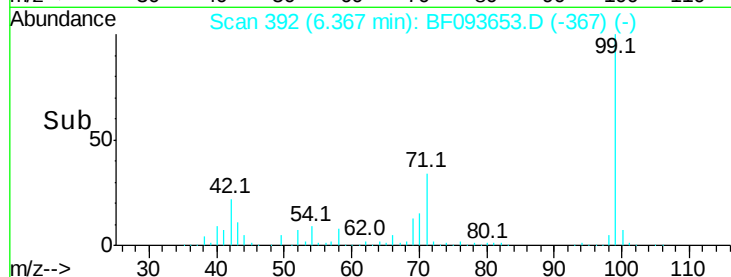
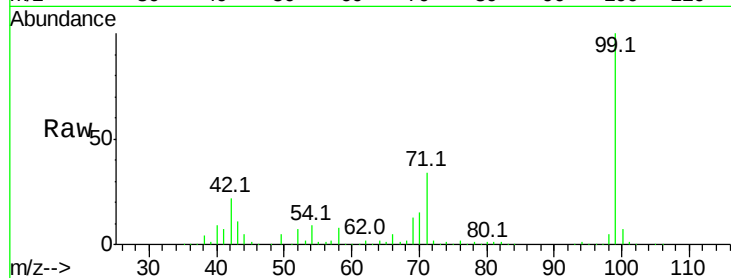
71 34.0 27.5 41.3

Manual Integrations

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#8

2-Chlorophenol

Concen: 41.92 ng

RT: 6.50 min Scan# 404

Delta R.T. -0.00 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

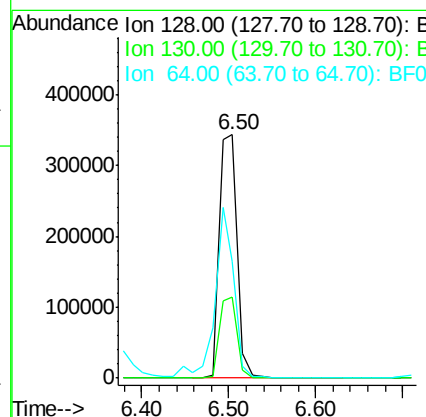
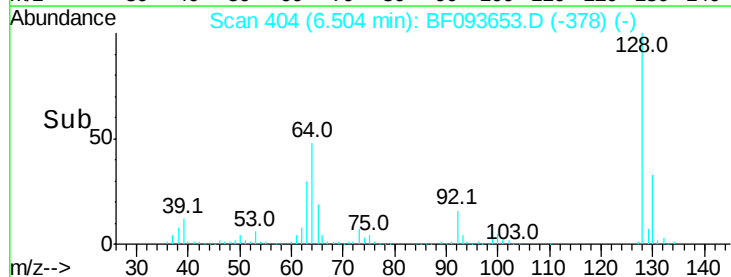
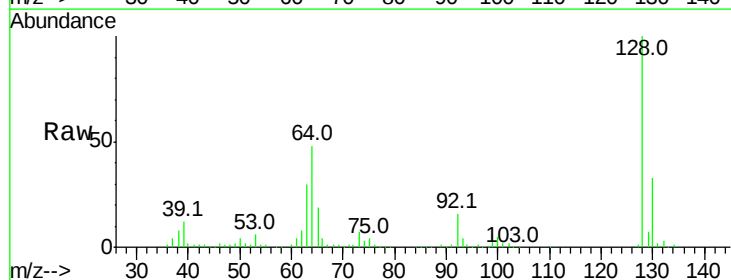
Tgt Ion:128 Resp: 499258

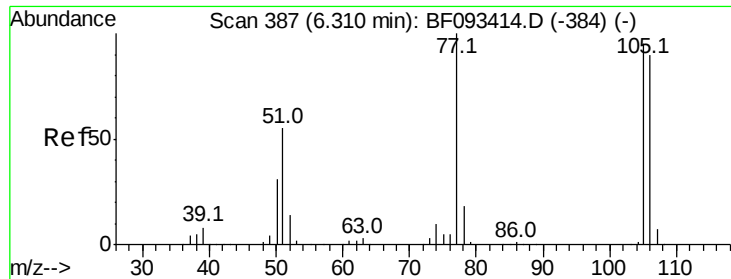
Ion Ratio Lower Upper

128 100

130 33.3 12.3 52.3

64 47.9 32.2 72.2





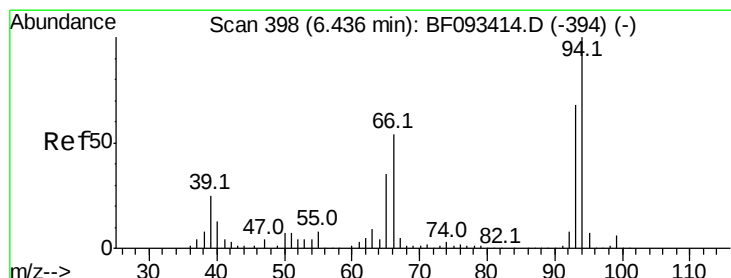
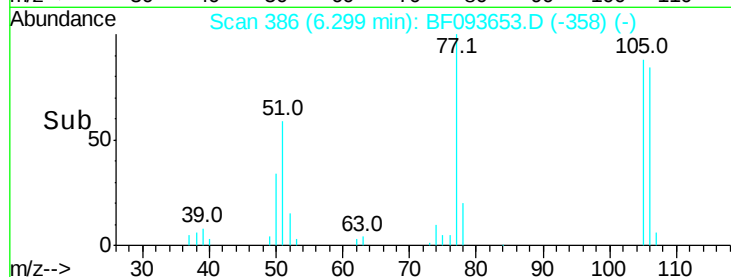
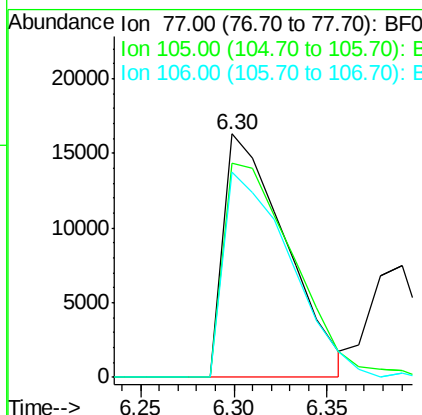
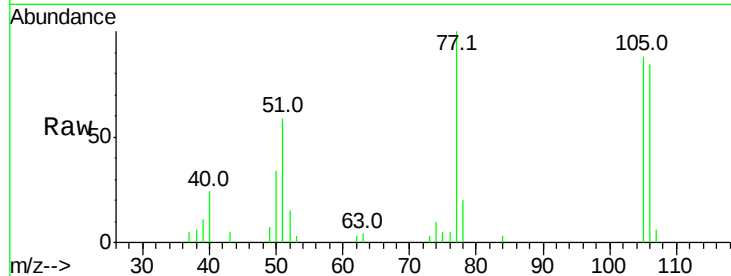
#9
Benzaldehyde
Concen: 3.00 ng
RT: 6.30 min Scan# 386
Delta R.T. 0.02 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
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ClientSampleId :
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Tot Ion: 77 Resp: 37931
Ion Ratio Lower Upper
77 100
105 88.1 83.9 123.9
106 84.4 77.6 117.6

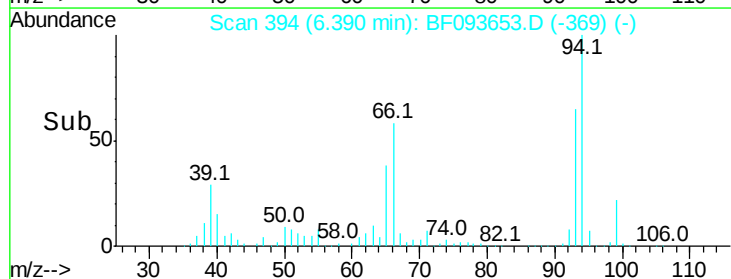
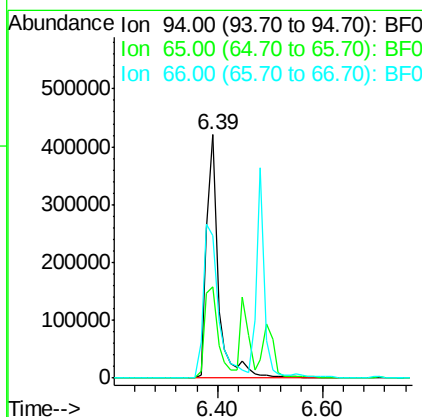
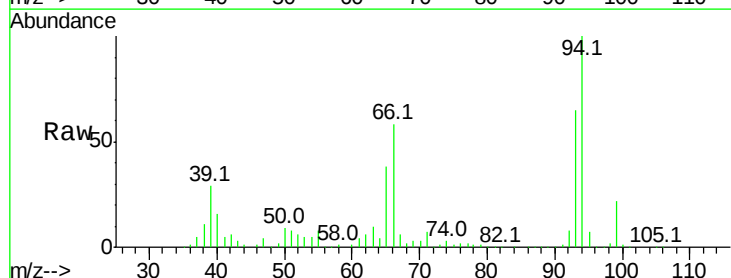
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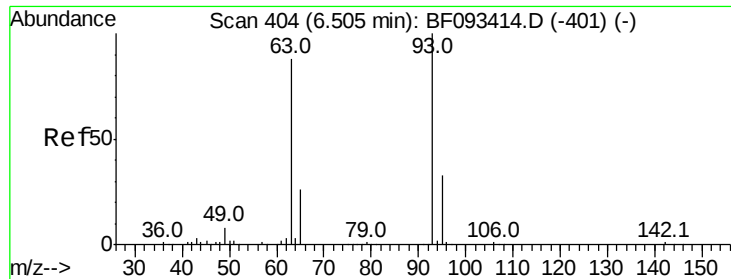
mohammad
3/15/2017 5:39:01 PM



#10
Phenol
Concen: 40.81 ng
RT: 6.39 min Scan# 394
Delta R.T. -0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion: 94 Resp: 670313
Ion Ratio Lower Upper
94 100
65 37.5 21.4 61.4
66 58.3 44.0 84.0





#11

bis(2-Chloroethyl)ether

Concen: 42.66 ng

RT: 6.45 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

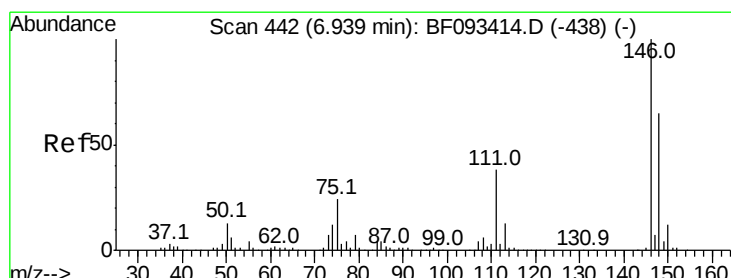
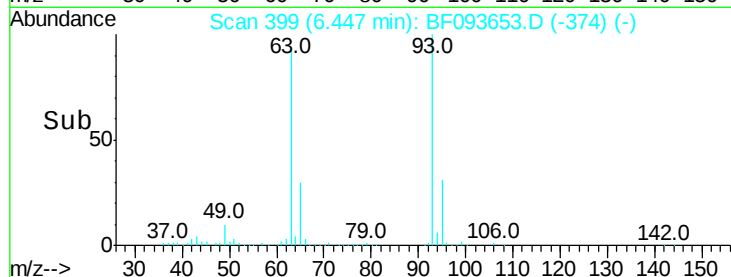
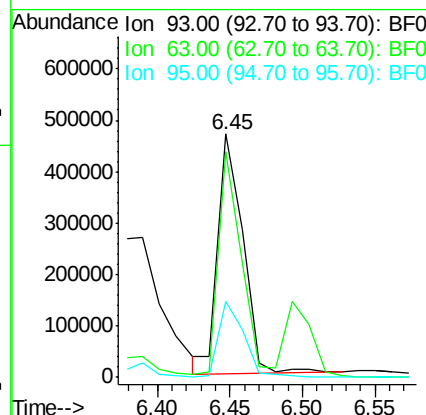
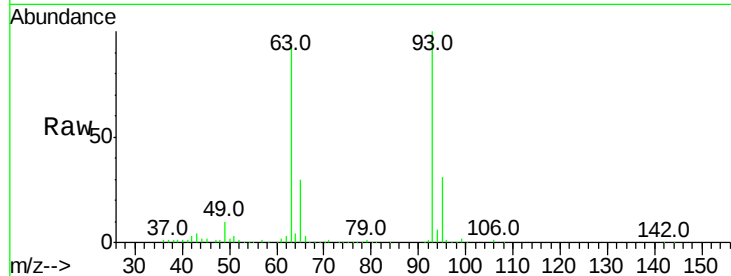
ClientSampleId :

PB97542BS

Tot Ion	93	Ratio	100	Resp	566258
Ion	93	100		Lower	Upper
	63	92.8		60.4	100.4
	95	31.2		12.8	52.8

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 38.59 ng

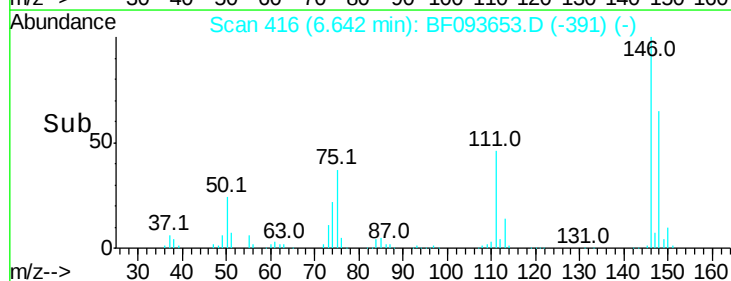
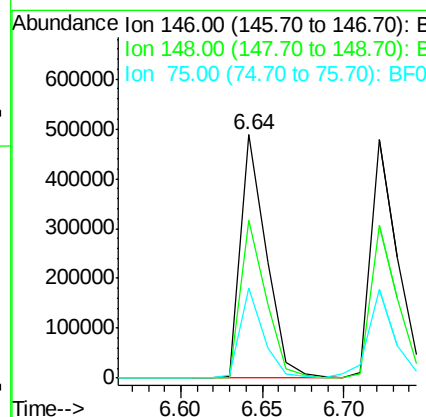
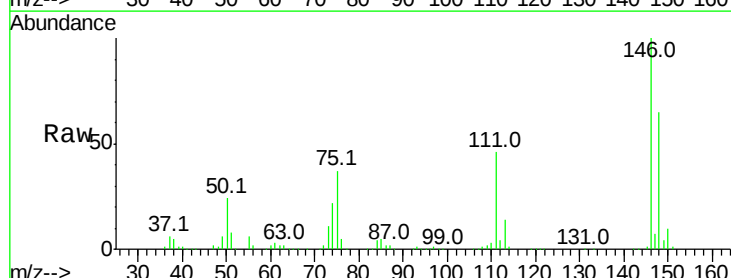
RT: 6.64 min Scan# 416

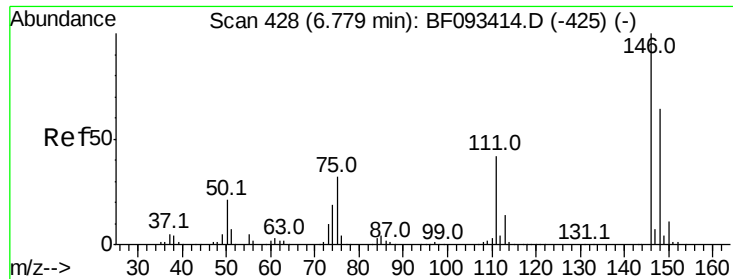
Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Tgt Ion	146	Ratio	100	Resp	526069
Ion	146	100		Lower	Upper
	148	64.7		53.4	80.0
	75	36.9		18.5	27.7#





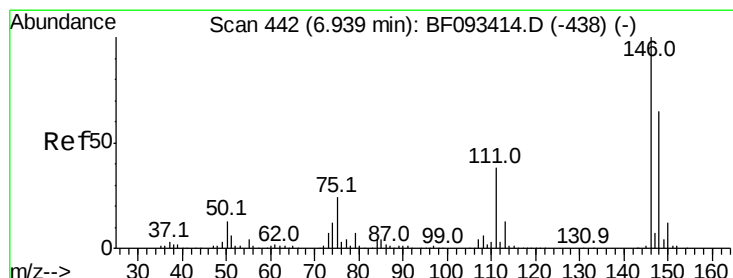
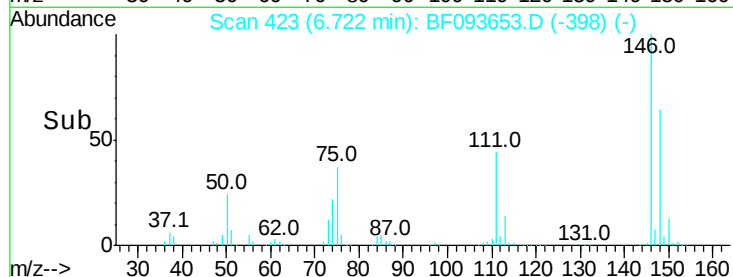
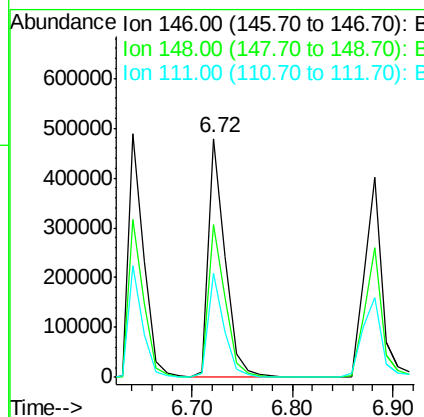
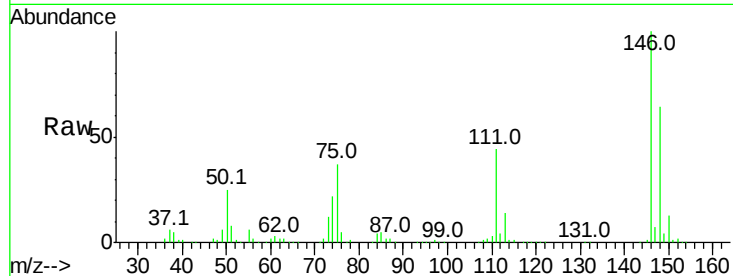
#13
 1,4-Dichlorobenzene
 Concen: 39.49 ng
 RT: 6.72 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB97542BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.6	76.0
111	43.7	36.2	54.4

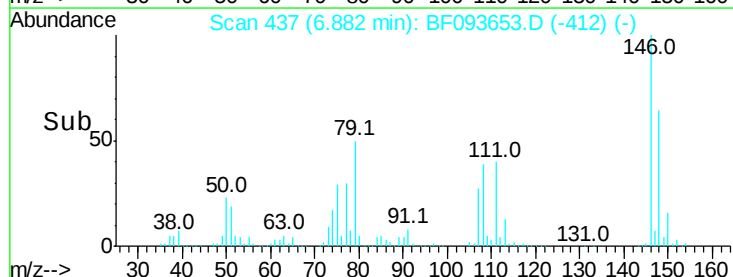
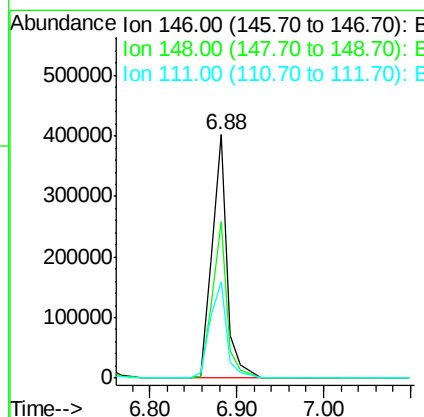
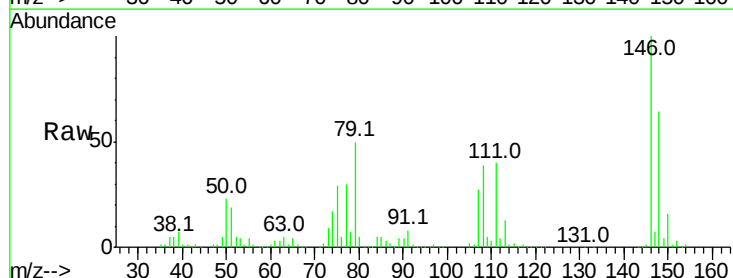
Manual Integrations
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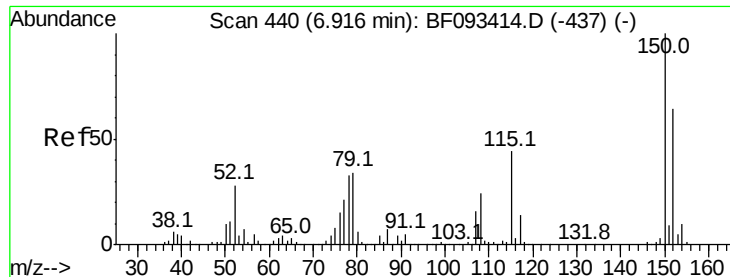
mohammad
 3/15/2017 5:39:01 PM



#14
 1,2-Dichlorobenzene
 Concen: 39.05 ng
 RT: 6.88 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.2	78.2
111	39.8	36.2	54.2





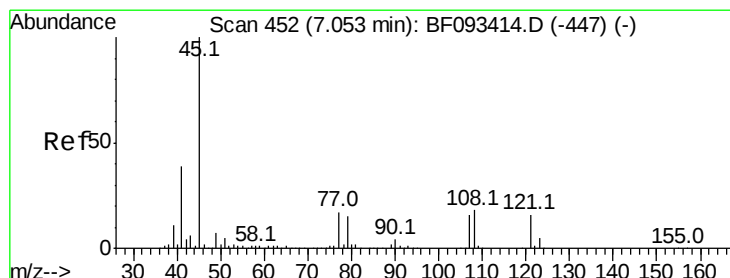
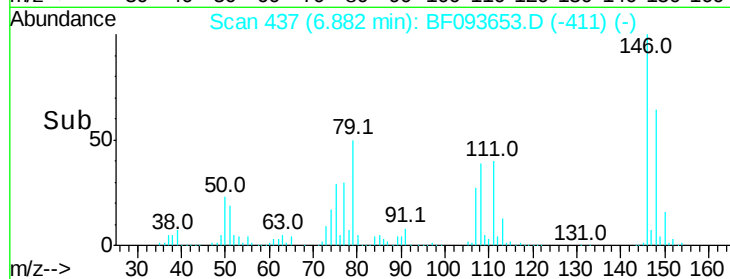
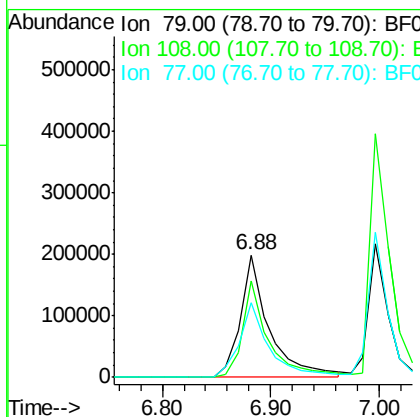
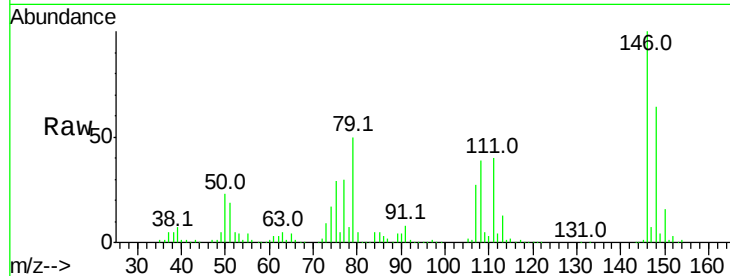
#15
Benzyl Alcohol
Concen: 37.97 ng
RT: 6.88 min Scan# 437
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampled :
PB97542BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	79.0	61.4	92.0
77	61.2	50.9	76.3

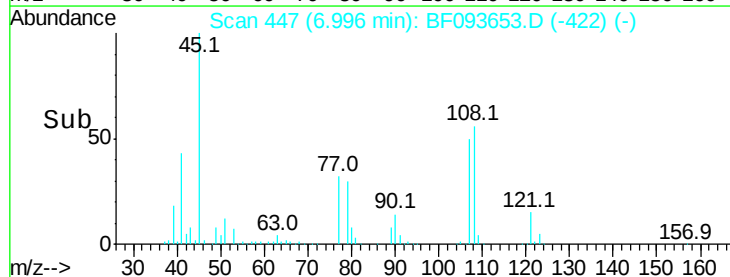
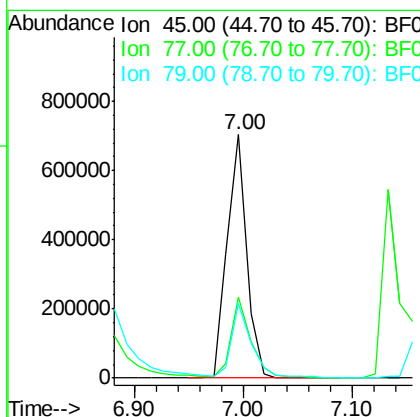
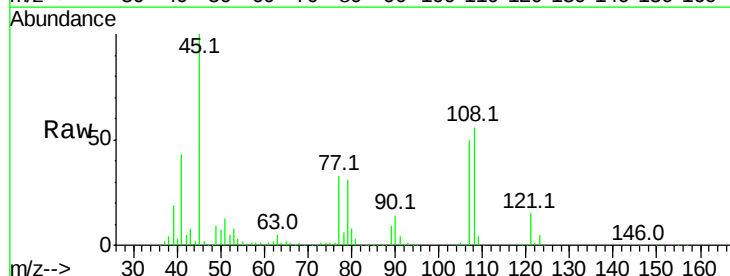
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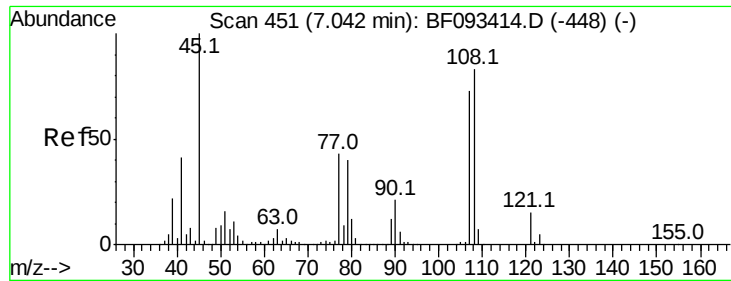
mohammad
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#16
2,2'-oxybis(1-chloropropane)
Concen: 39.49 ng
RT: 7.00 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
45	100		
77	33.4	0.0	34.6
79	30.8	0.0	31.2





#17

2-Methylphenol

Concen: 42.76 ng

RT: 7.00 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

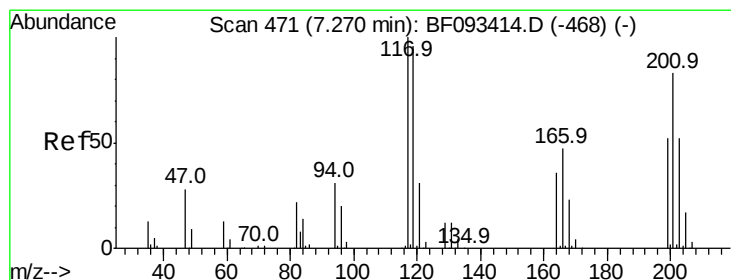
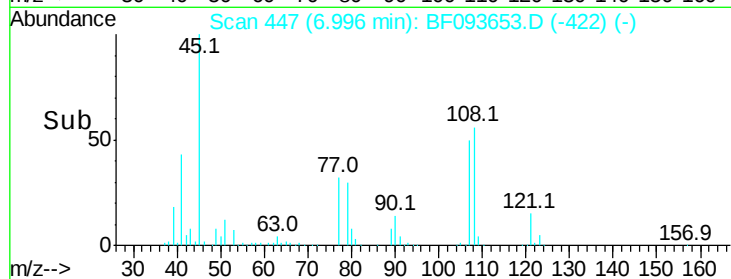
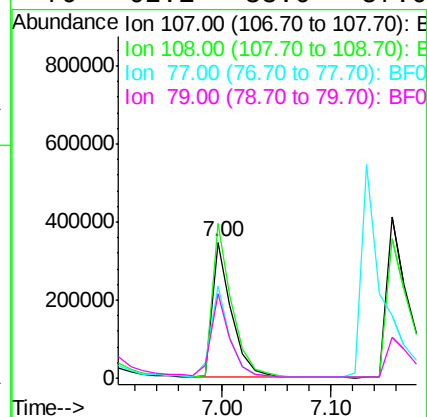
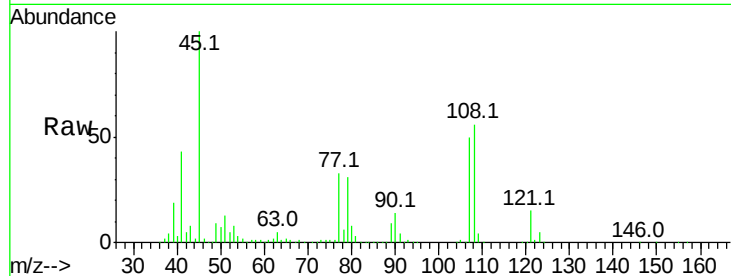
ClientSampleId :

PB97542BS

Tot Ion	Ratio	Lower	Upper
107	100		
108	113.5	93.0	139.6
77	67.5	39.8	59.8#
79	62.1	38.0	57.0#

Manual Integrations
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3/15/2017 5:39:01 PM



#18

Hexachloroethane

Concen: 40.60 ng

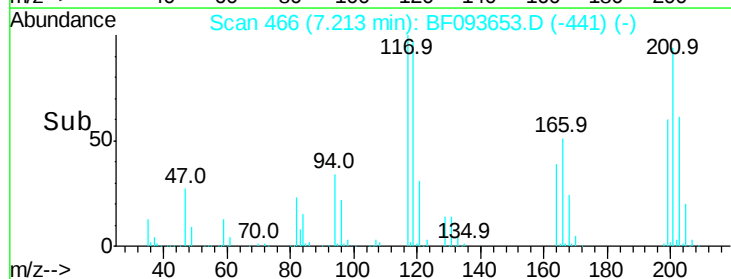
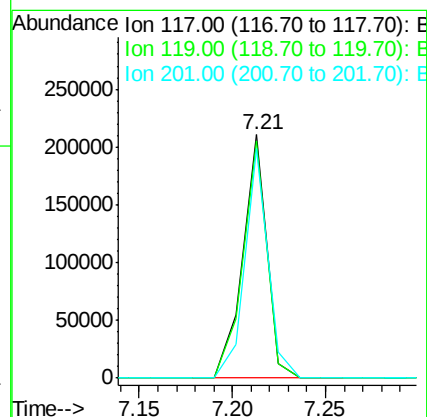
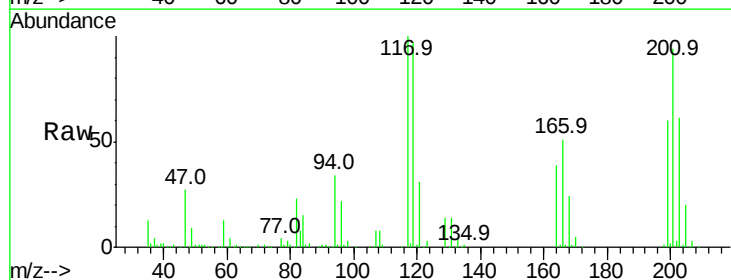
RT: 7.21 min Scan# 466

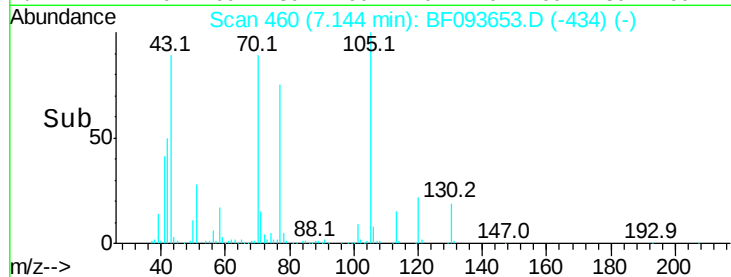
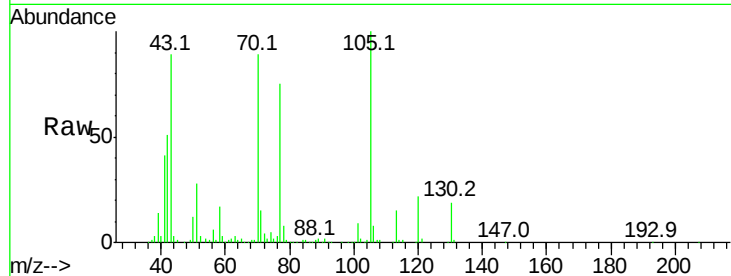
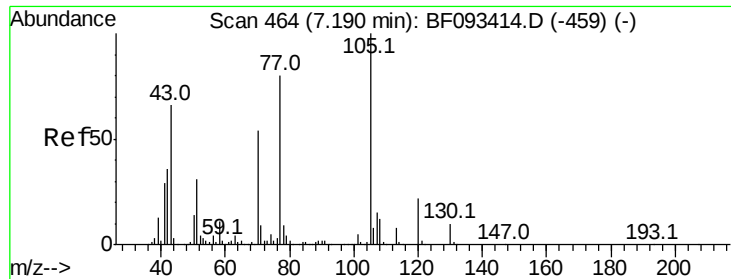
Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.1	117.1
201	94.3	78.6	117.8





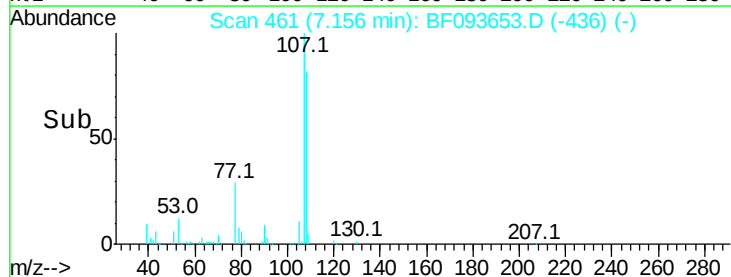
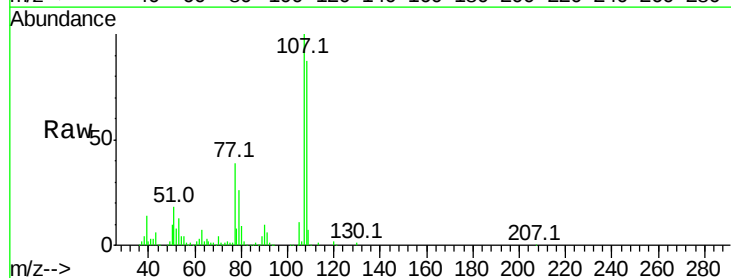
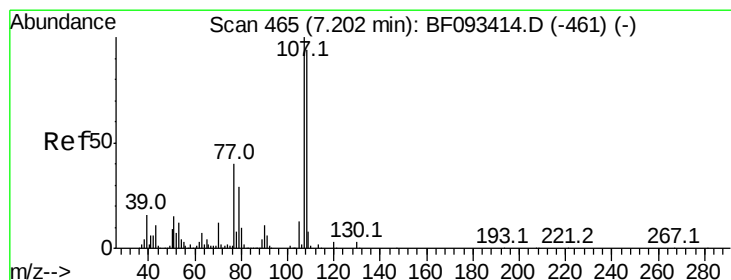
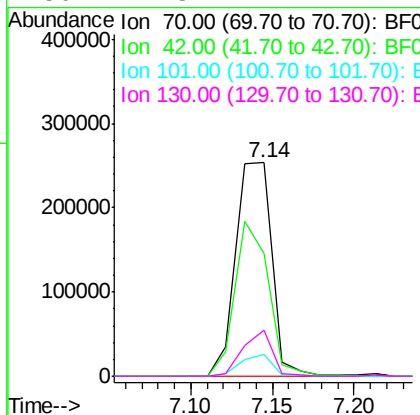
#19
n-Nitroso-di-n-propylamine
Concen: 42.13 ng
RT: 7.14 min Scan# 460
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	57.4	49.4	74.0
101	10.5	7.4	11.2
130	21.8	14.2	21.4

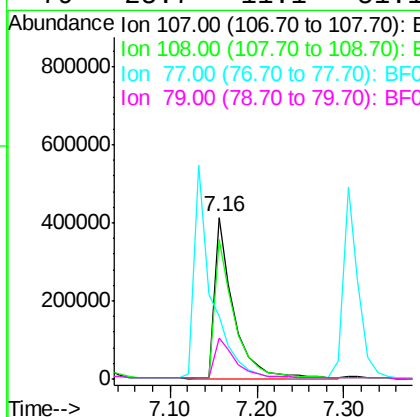
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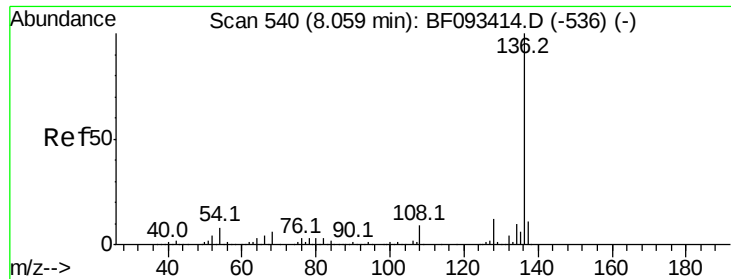
mohammad
3/15/2017 5:39:01 PM



#20
3+4-Methylphenols
Concen: 47.96 ng
RT: 7.16 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.6	73.0	113.0
77	39.2	71.3	111.3
79	25.7	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

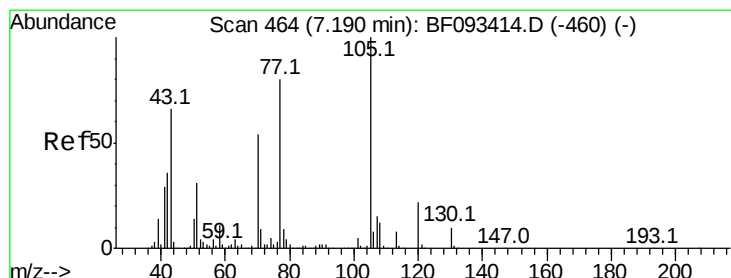
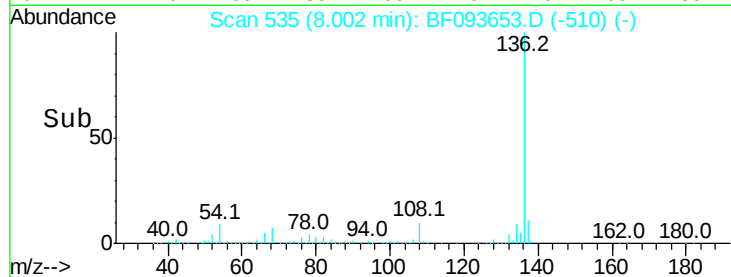
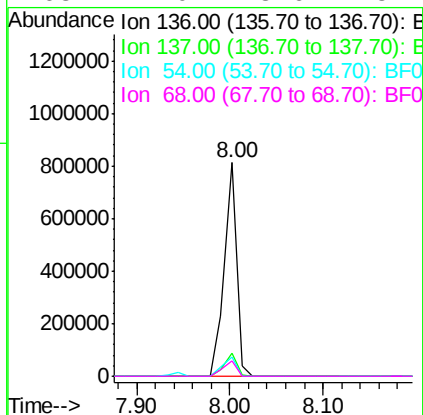
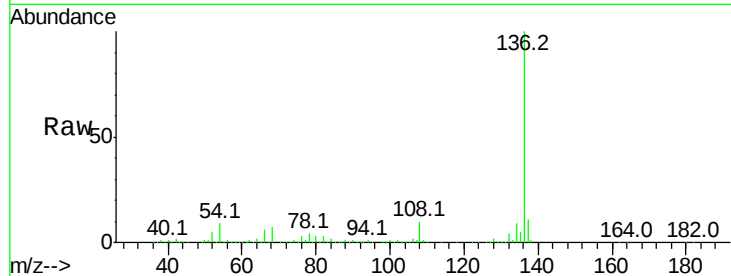
ClientSampleId :

PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	747119		
137	10.8	8.4	12.6	
54	9.1	4.5	6.7#	
68	7.0	3.6	5.4#	

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#22

Acetophenone

Concen: 39.84 ng

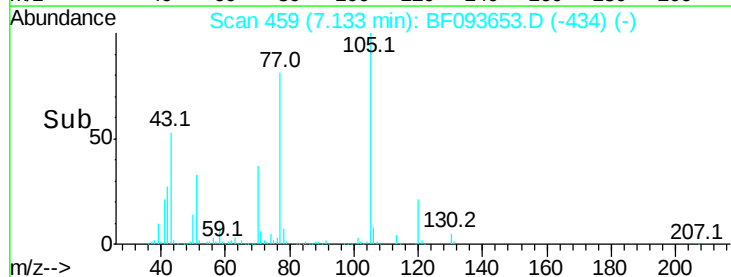
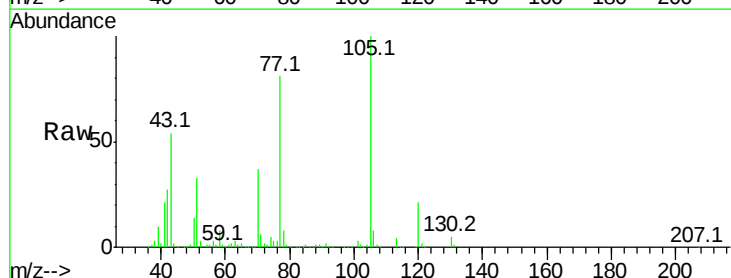
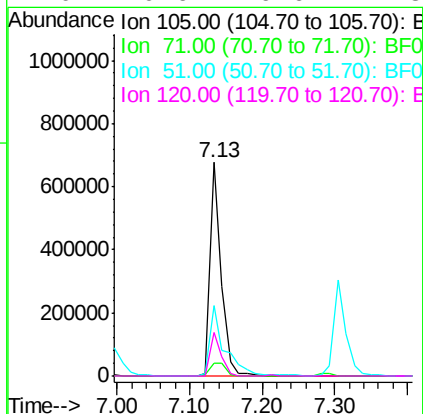
RT: 7.13 min Scan# 459

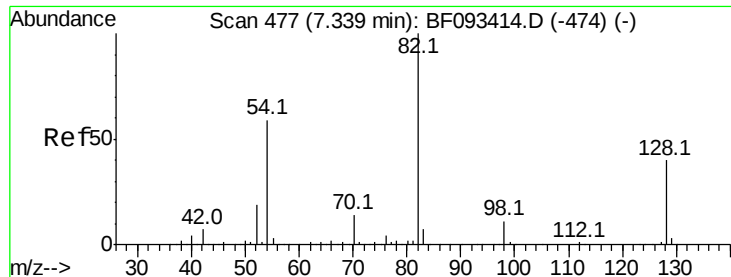
Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	716364		
71	6.2	3.2	4.8#	
51	32.7	26.2	39.4	
120	20.6	16.6	24.8	





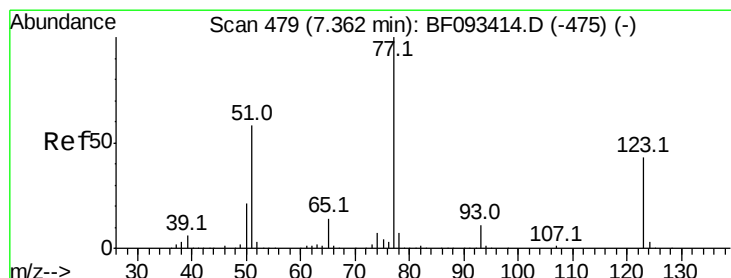
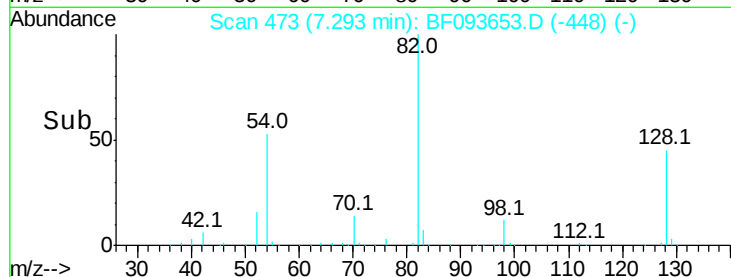
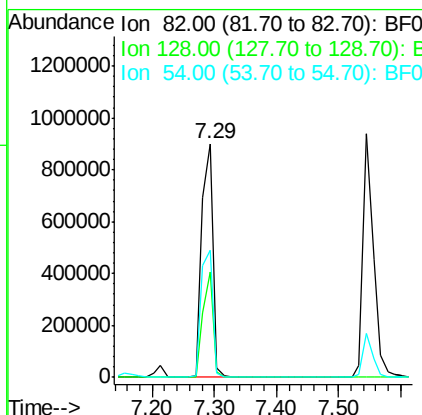
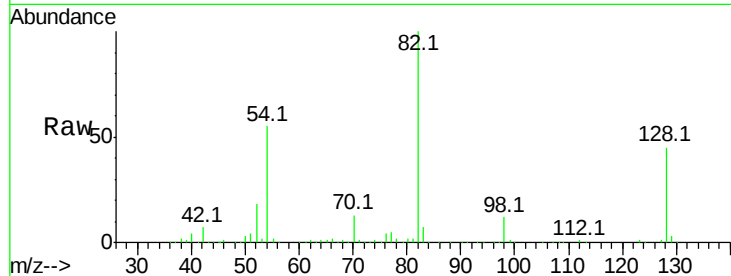
#23
 Nitrobenzene-d5
 Concen: 84.58 ng
 RT: 7.29 min Scan# 473
 Delta R.T. -0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampleID :
 PB97542BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.6	52.0
54	54.6	39.5	59.3

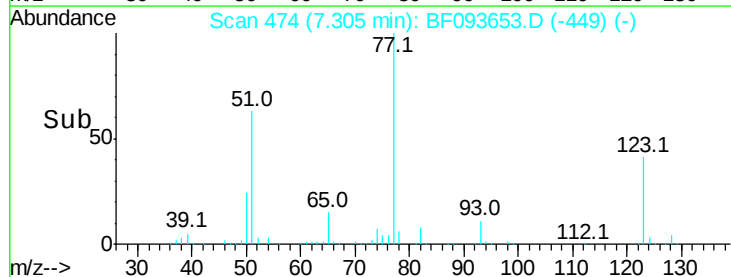
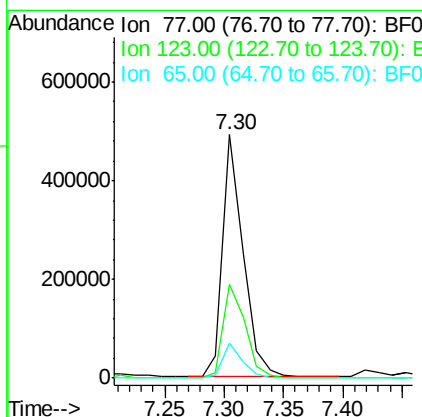
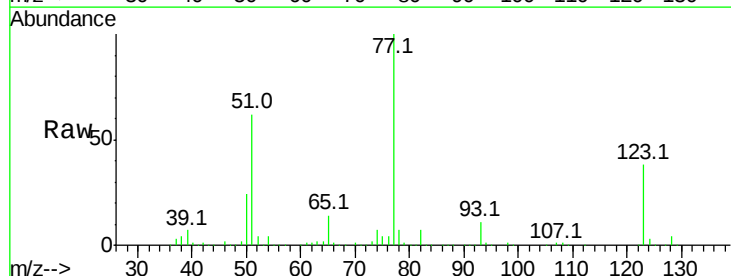
Manual Integrations
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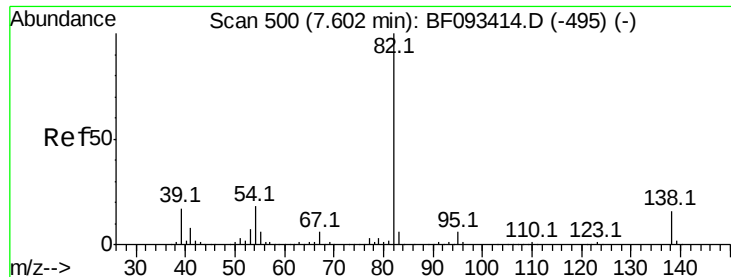
mohammad
 3/15/2017 5:39:01 PM



#24
 Nitrobenzene
 Concen: 38.89 ng
 RT: 7.30 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.4	33.0	49.4
65	14.4	11.2	16.8





#25

Isophorone

Concen: 39.50 ng

RT: 7.54 min Scan# 495

Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

ClientSampleId :

PB97542BS

Tot Ion: 82 Resp: 1072477

Ion Ratio Lower Upper

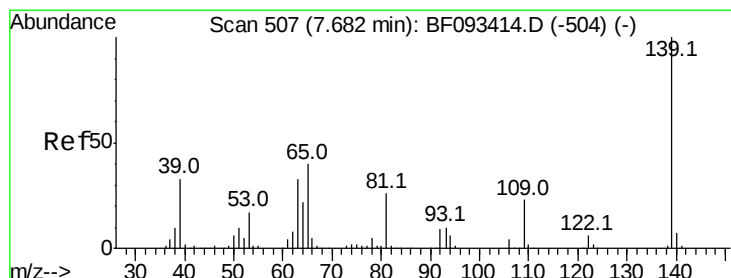
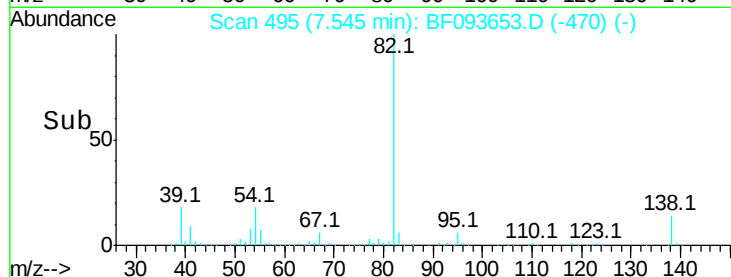
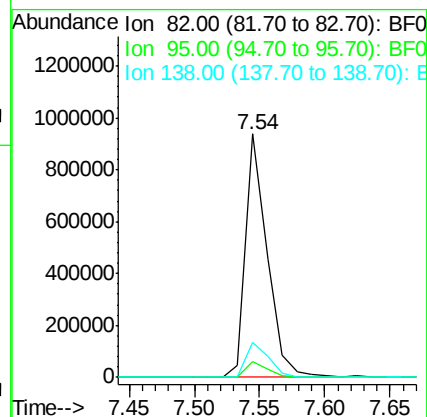
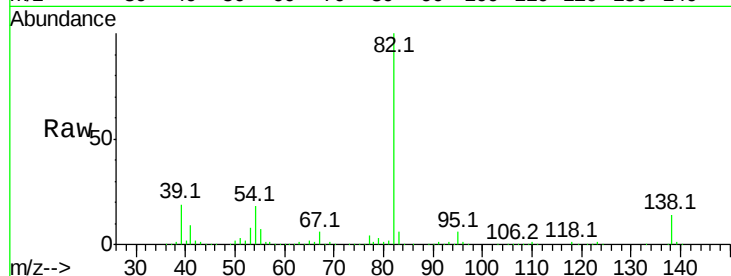
82 100

95 6.4 5.6 8.4

138 14.4 14.6 22.0#

Manual Integrations
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mohammad
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#26

2-Nitrophenol

Concen: 41.18 ng

RT: 7.62 min Scan# 502

Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

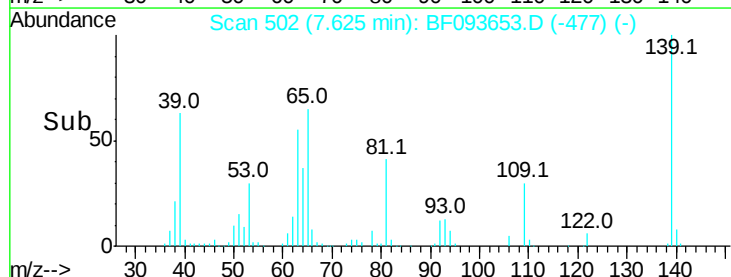
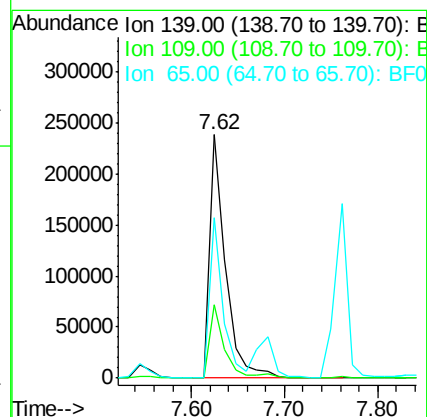
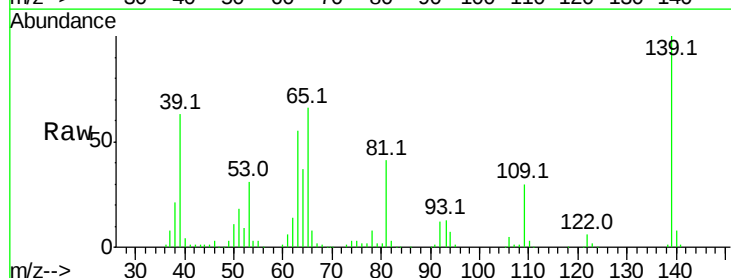
Tgt Ion:139 Resp: 284312

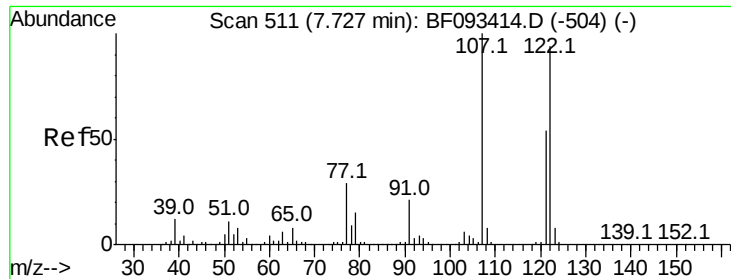
Ion Ratio Lower Upper

139 100

109 30.3 23.3 34.9

65 65.9 42.7 64.1#





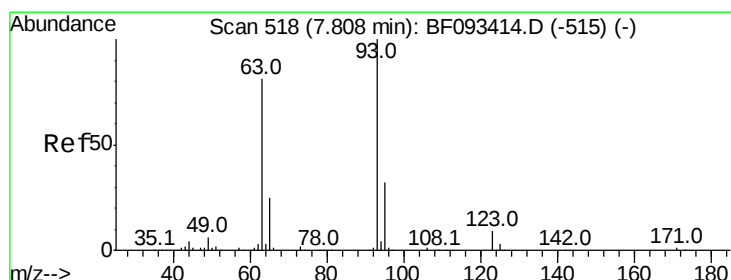
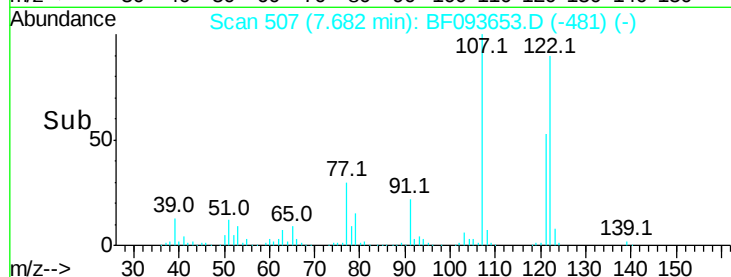
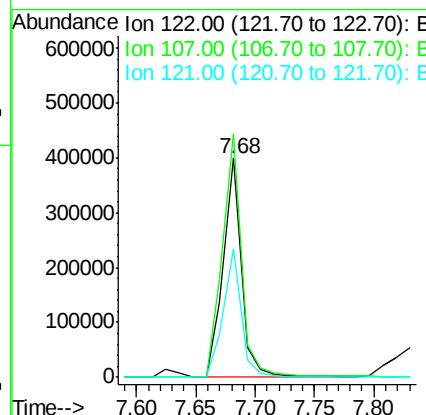
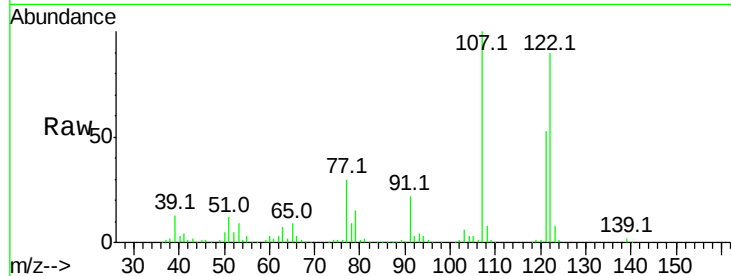
#27
2,4-Dimethylphenol
Concen: 37.47 ng
RT: 7.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	420821		
107	111.1	94.1	141.1	
121	58.9	46.0	69.0	

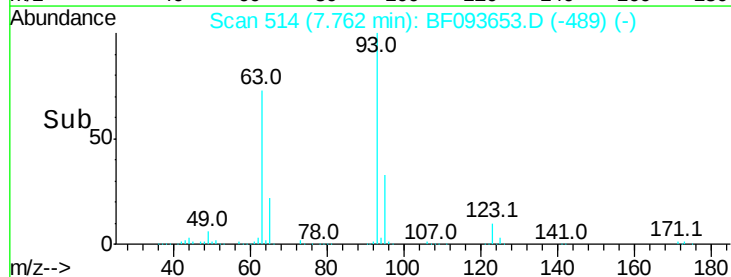
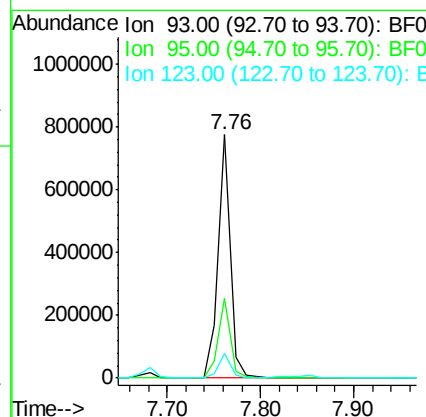
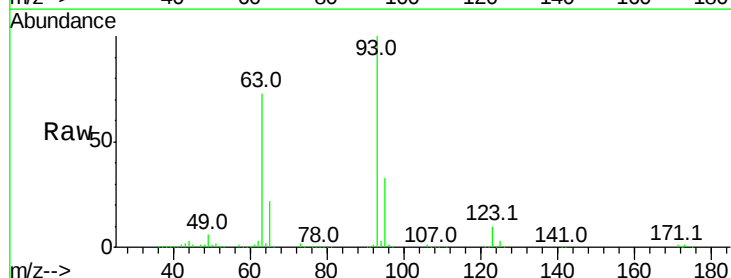
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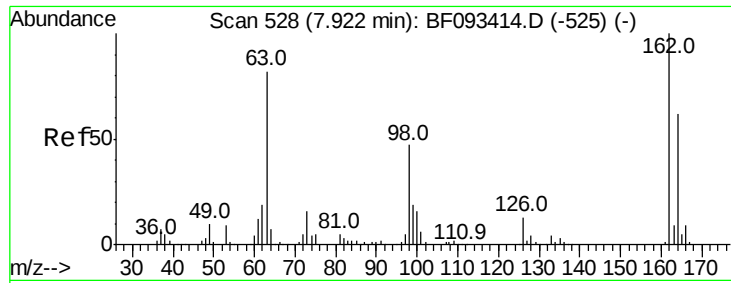
mohammad
3/15/2017 5:39:01 PM



#28
bis(2-Chloroethoxy)methane
Concen: 41.36 ng
RT: 7.76 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	709013		
95	32.8	26.5	39.7	
123	9.9	8.6	13.0	





#29

2,4-Dichlorophenol

Concen: 41.05 ng

RT: 7.89 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

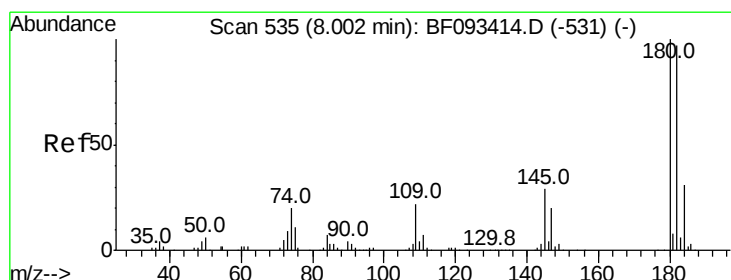
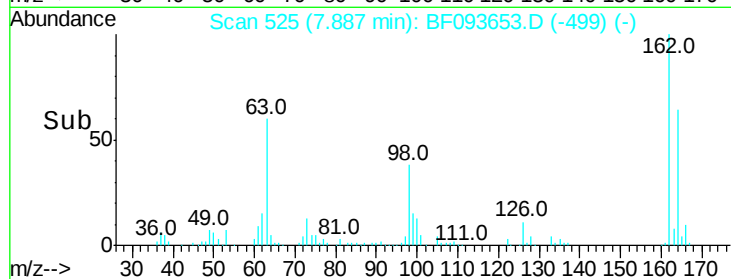
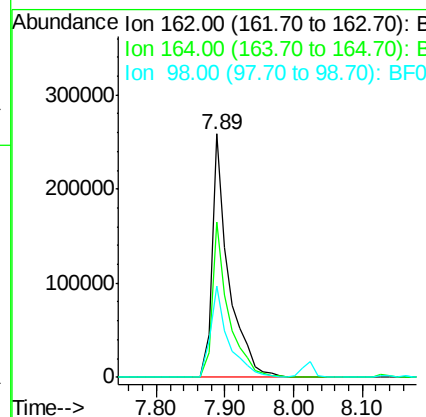
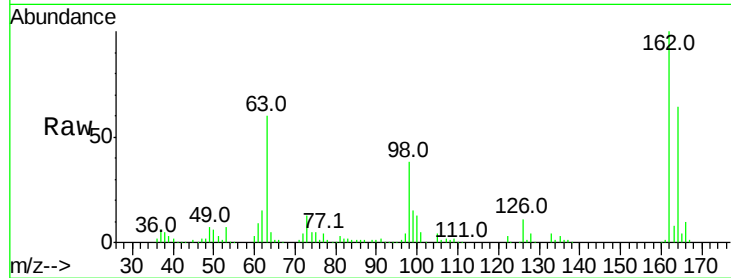
ClientSampleId :

PB97542BS

Tot Ion:	162	Resp:	433793
Ion Ratio	Lower	Upper	
162	100		
164	64.0	46.8	86.8
98	37.7	9.1	49.1

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 36.89 ng

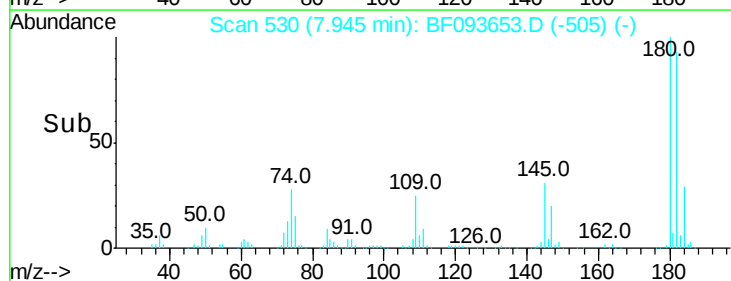
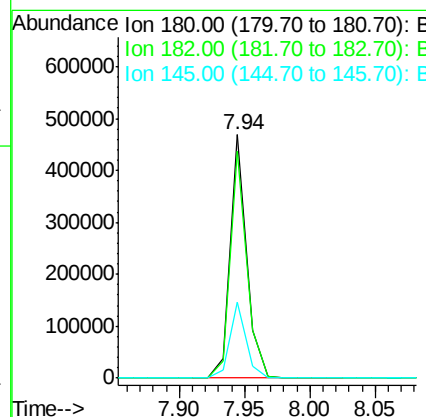
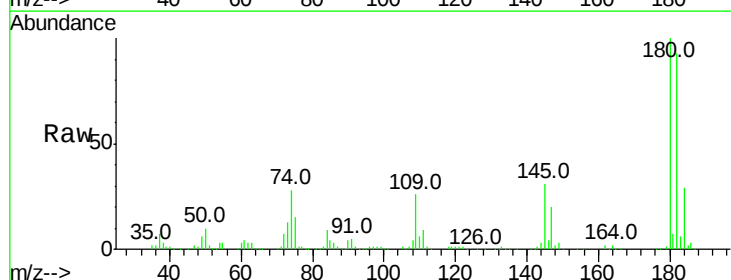
RT: 7.94 min Scan# 530

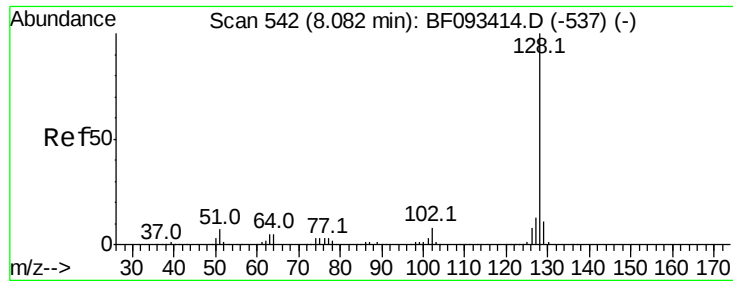
Delta R.T. -0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Tgt Ion:	180	Resp:	414532
Ion Ratio	Lower	Upper	
180	100		
182	93.3	78.2	117.4
145	31.4	21.6	32.4





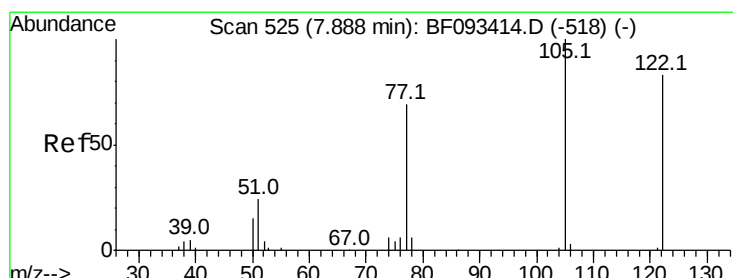
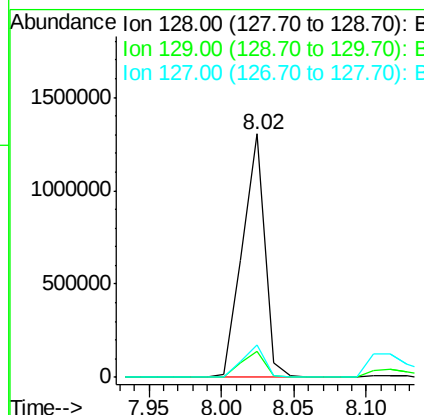
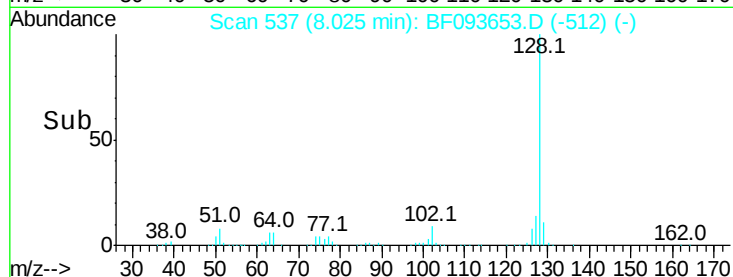
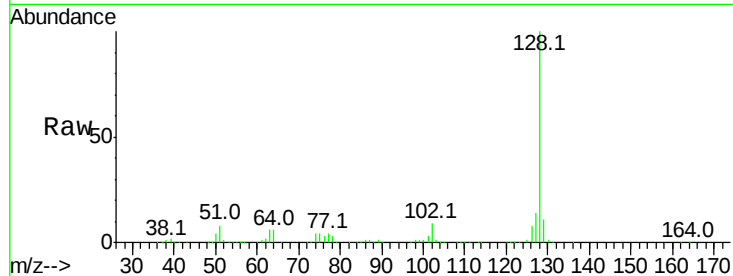
#31
Naphthalene
Concen: 37.34 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion:128 Resp: 1397984
Ion Ratio Lower Upper
128 100
129 10.9 9.5 14.3
127 13.5 10.8 16.2

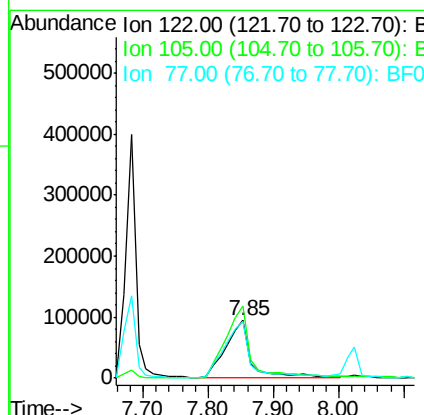
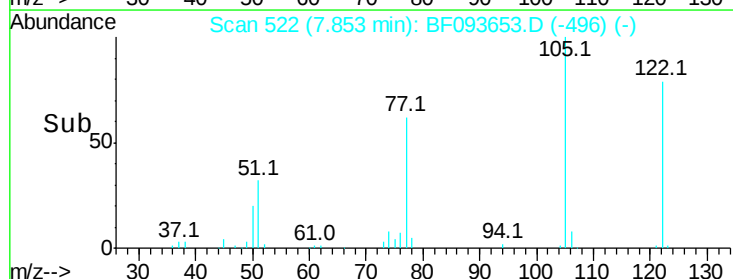
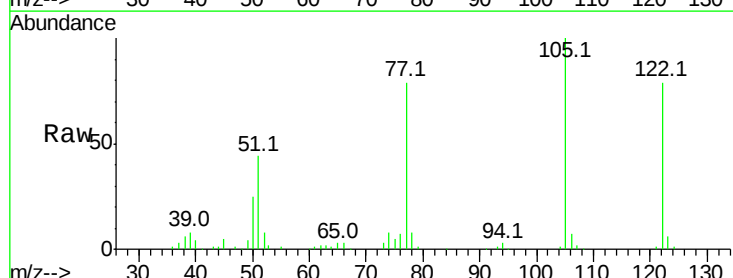
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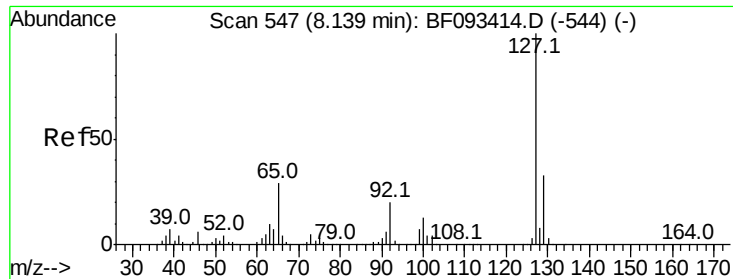
mohammad
3/15/2017 5:39:01 PM



#32
Benzoic acid
Concen: 41.87 ng
RT: 7.85 min Scan# 522
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion:122 Resp: 244412
Ion Ratio Lower Upper
122 100
105 126.7 107.2 147.2
77 99.9 74.5 114.5





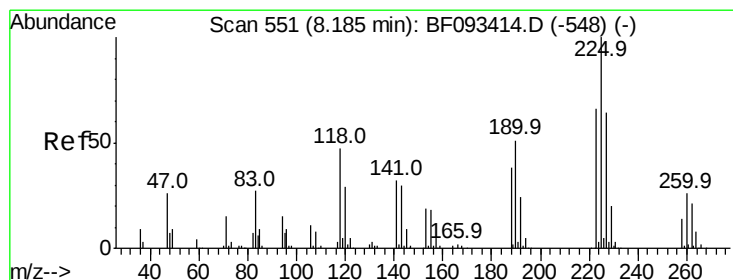
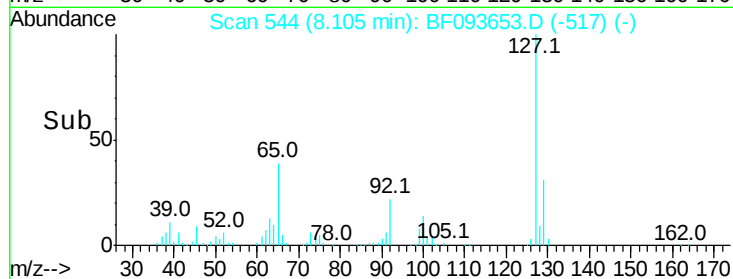
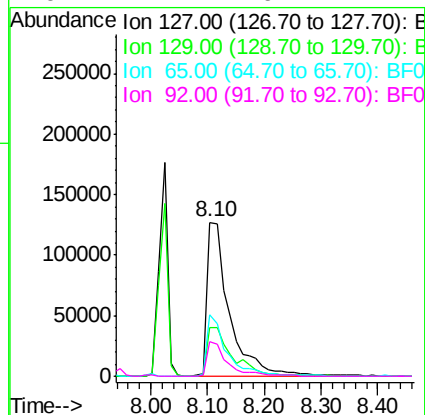
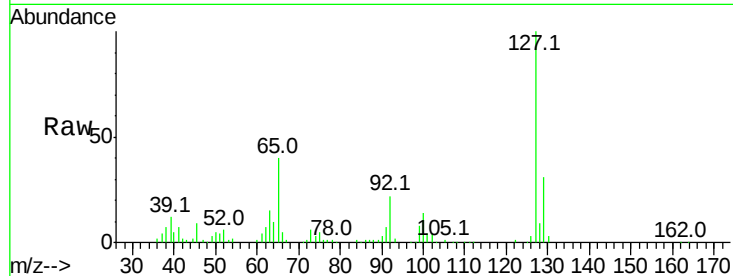
#33
4-Chloroaniline
Concen: 21.88 ng
RT: 8.10 min Scan# 544
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampled :
PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.4	26.3	39.5	
65	39.9	25.8	38.8	
92	22.2	16.1	24.1	

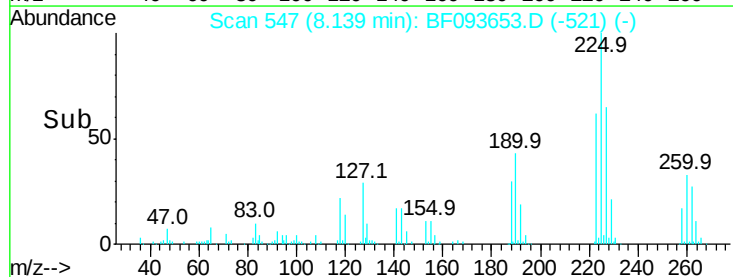
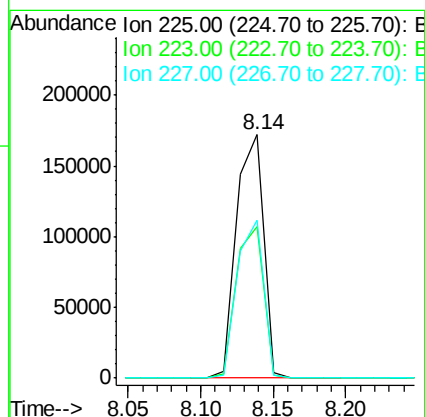
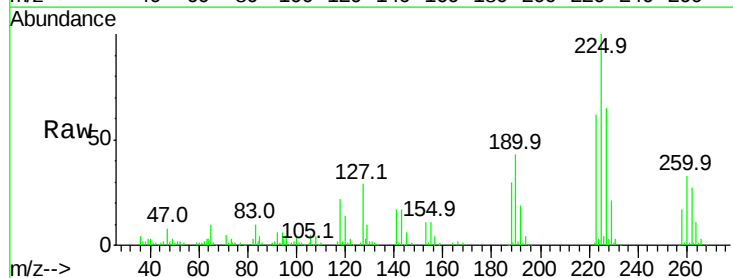
Manual Integrations
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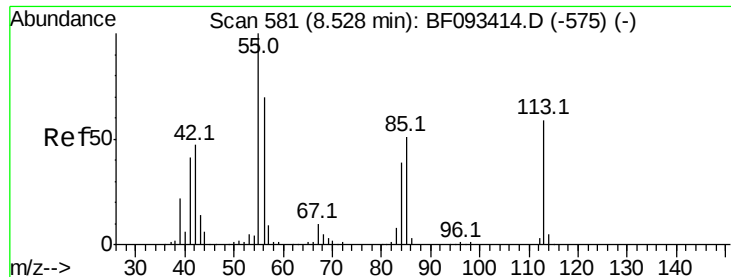
mohammad
3/15/2017 5:39:01 PM



#34
Hexachlorobutadiene
Concen: 38.56 ng
RT: 8.14 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	51.0	76.6	
227	64.7	50.6	76.0	





#35

Caprolactam

Concen: 41.71 ng/ml

RT: 8.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

ClientSampleID :

PB97542BS

Tot Ion:113 Resp: 150522

Ion Ratio Lower Upper

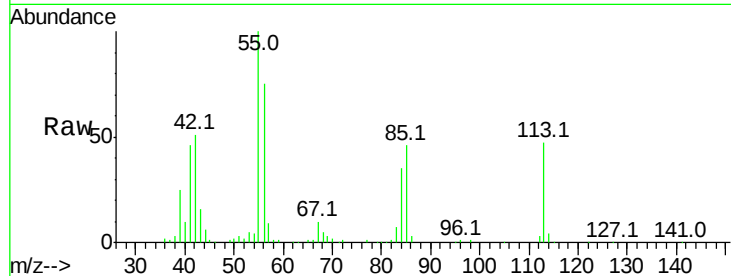
113 100

55 211.1 119.2 159.2#

56 157.8 83.8 123.8#

Manual Integrations
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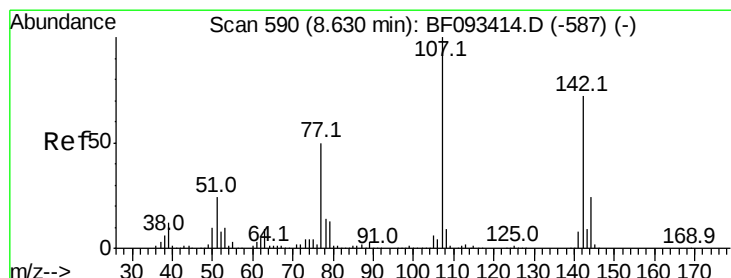
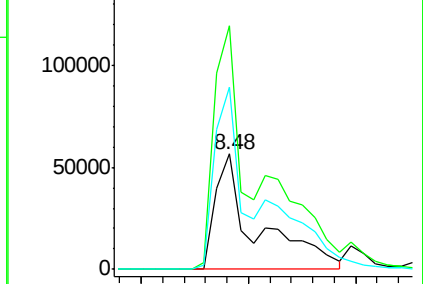
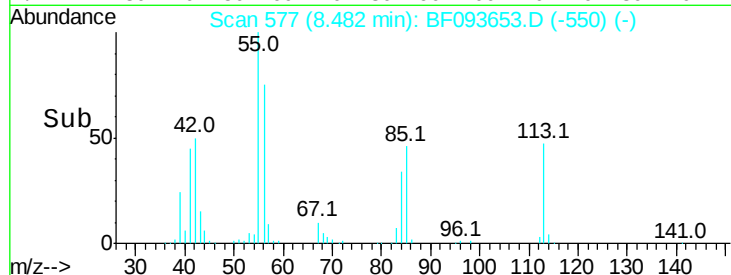
mohammad
3/15/2017 5:39:01 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 44.35 ng/ml

RT: 8.60 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

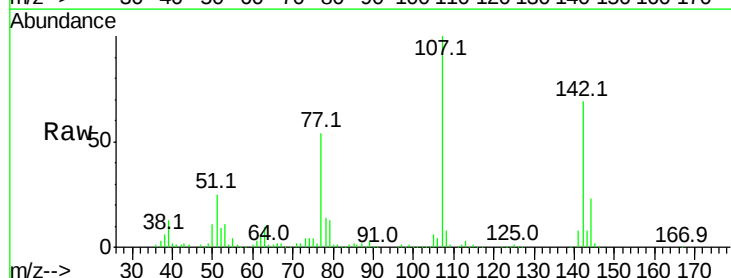
Tgt Ion:107 Resp: 500215

Ion Ratio Lower Upper

107 100

144 22.5 19.3 28.9

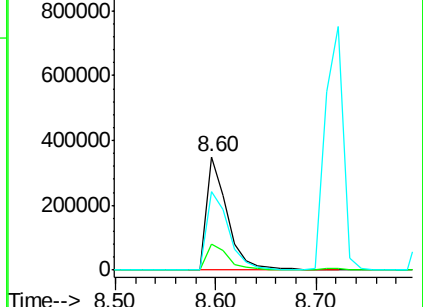
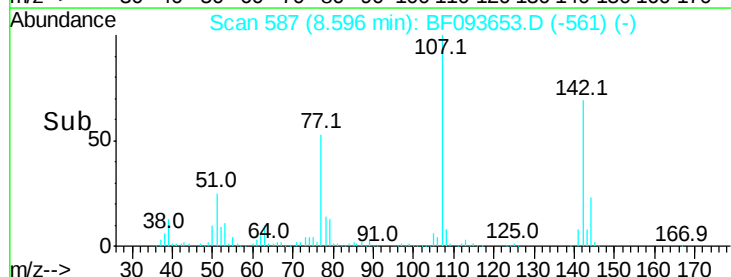
142 69.1 59.0 88.6

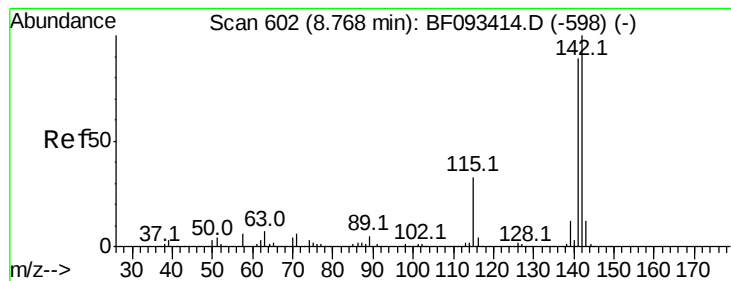


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





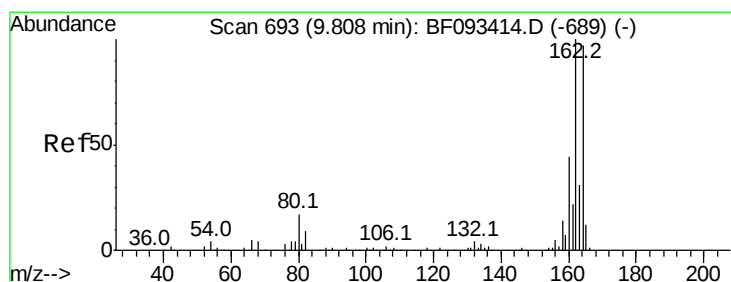
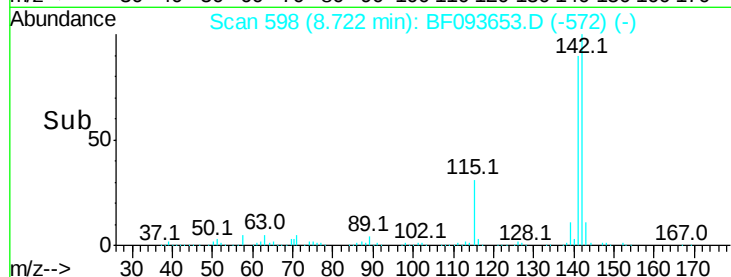
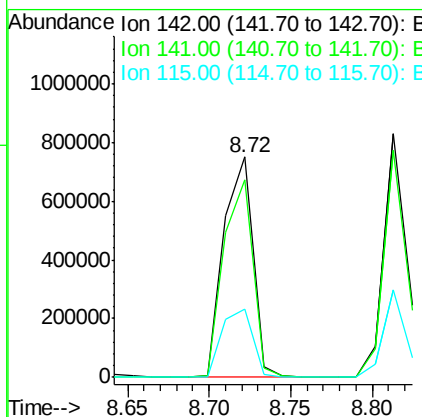
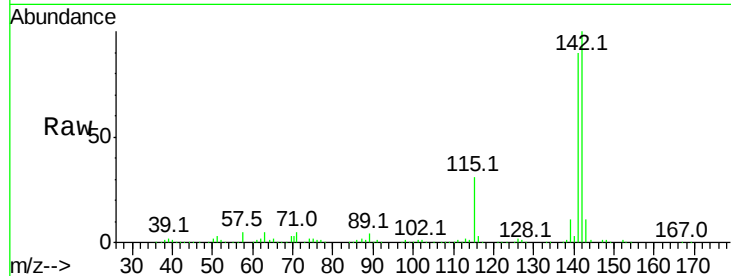
#37
 2-Methylnaphthalene
 Concen: 38.83 ng
 RT: 8.72 min Scan# 598
 Delta R.T. -0.00 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampled :
 PB97542BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.0	106.6
115	30.9	28.3	42.5

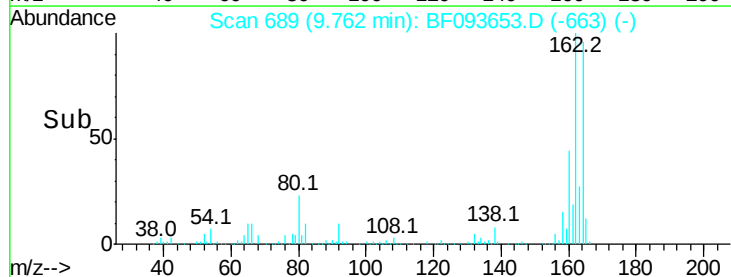
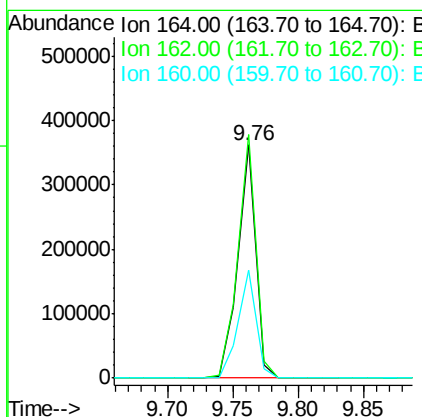
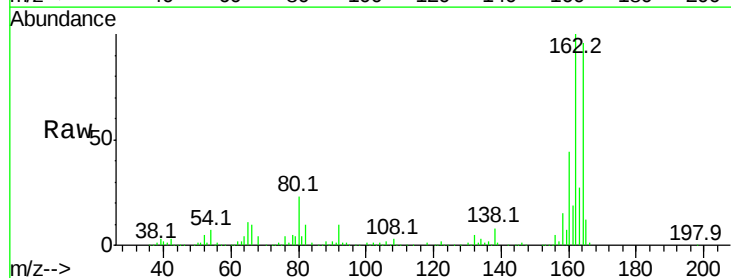
Manual Integrations
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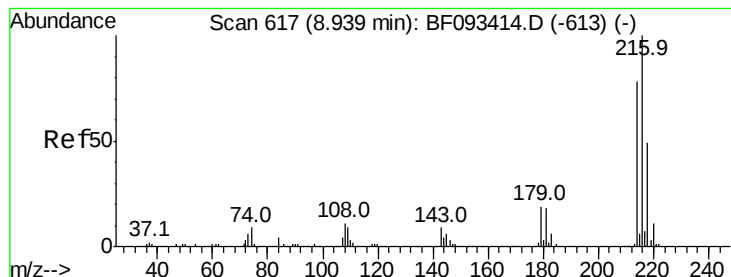
mohammad
 3/15/2017 5:39:01 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.2	120.2
160	46.4	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.78 ng

RT: 8.89 min Scan# 613

Delta R.T. -0.00 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

ClientSampleId :

PB97542BS

Tot Ion:216 Resp: 398622
Ion Ratio Lower Upper

216 100

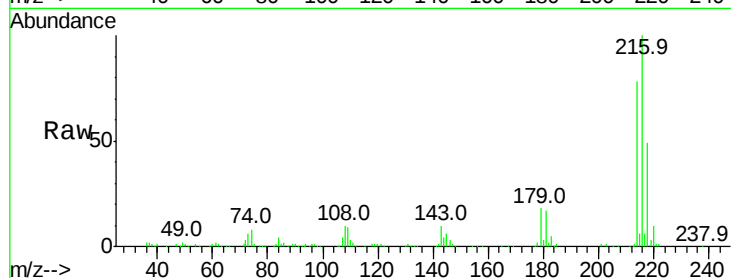
214 78.8 63.4 95.0

179 21.2 17.4 26.2

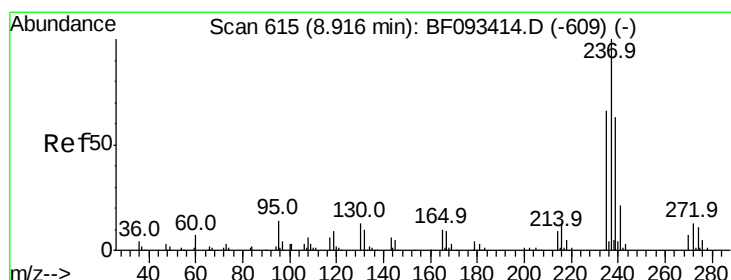
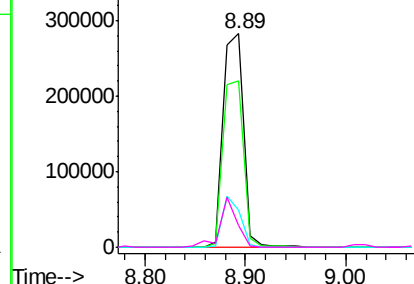
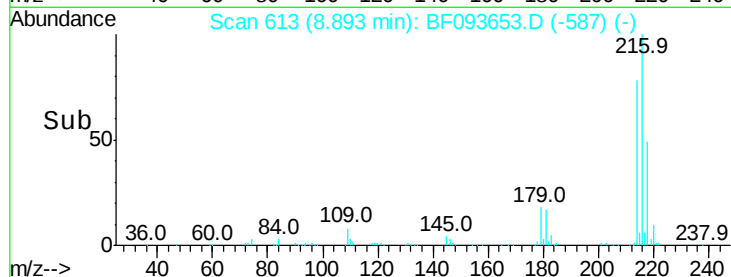
108 19.6 15.6 23.4

Manual Integrations
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3/15/2017 5:39:01 PM



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: 79.74 ng

RT: 8.86 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF093653.D

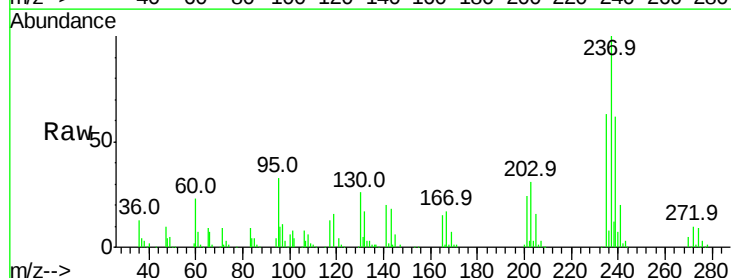
Acq: 14 Mar 2017 12:40

Tgt Ion:237 Resp: 187383
Ion Ratio Lower Upper

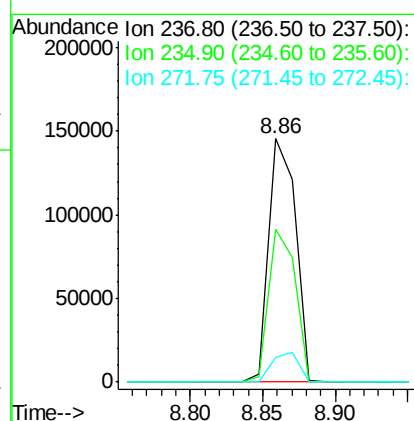
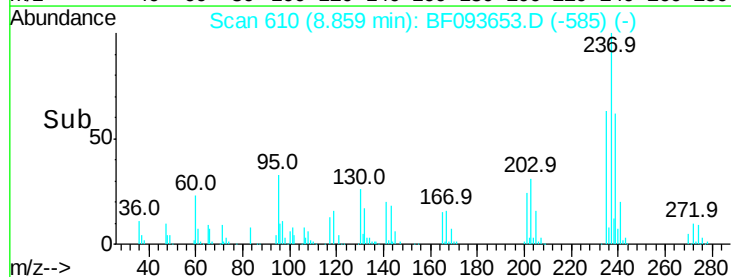
237 100

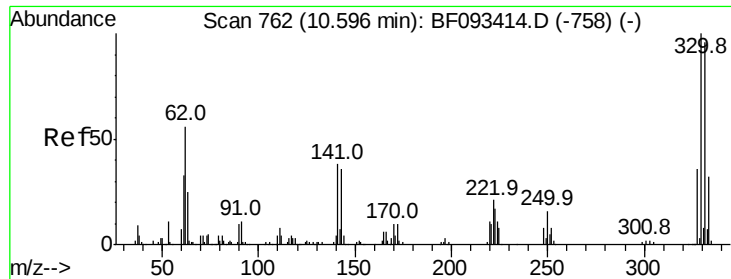
235 62.6 41.2 81.2

272 10.2 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





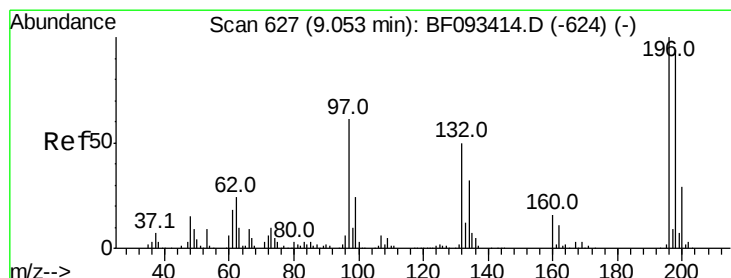
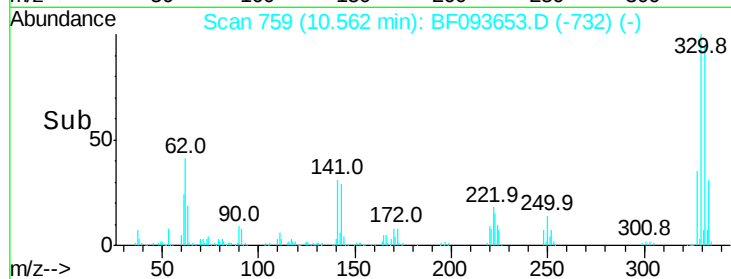
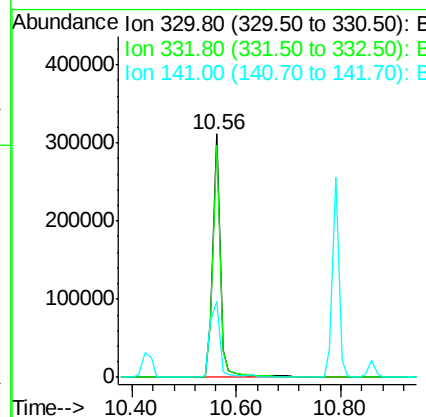
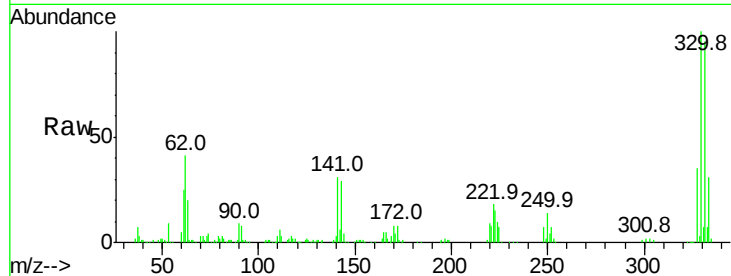
#41
 2,4,6-Tribromophenol
 Concen: 142.24 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	316263		
332	95.6	77.4	116.2	
141	40.2	34.1	51.1	

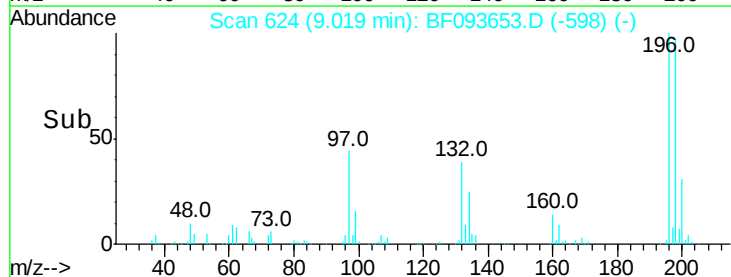
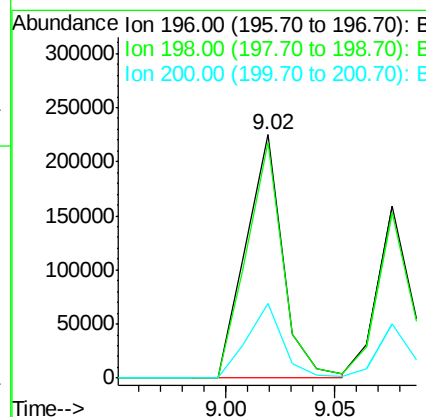
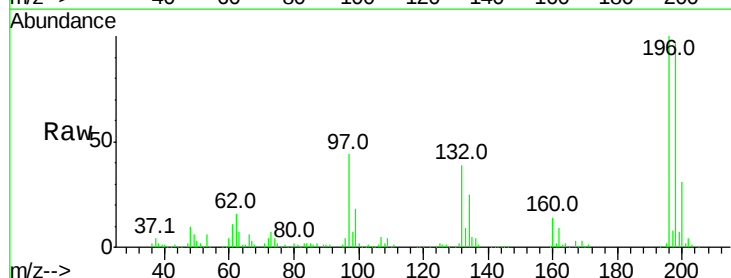
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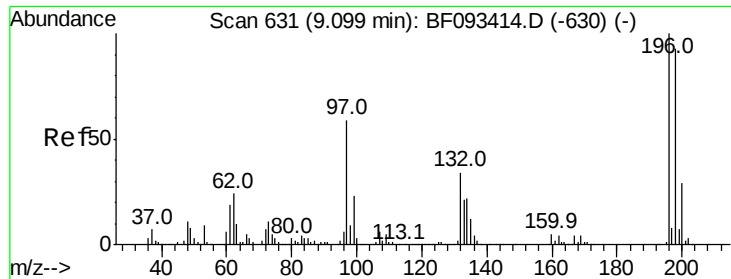
mohammad
 3/15/2017 5:39:01 PM



#42
 2,4,6-Trichlorophenol
 Concen: 45.56 ng
 RT: 9.02 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	265267		
198	97.1	82.1	123.1	
200	30.9	27.0	40.4	





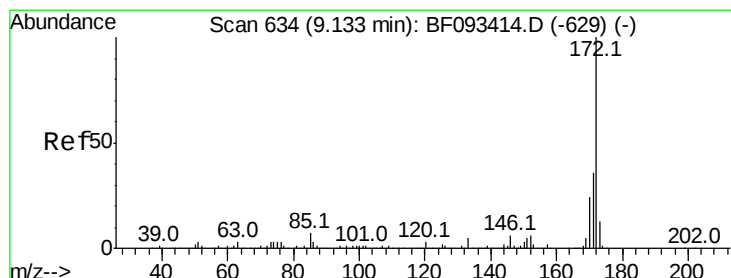
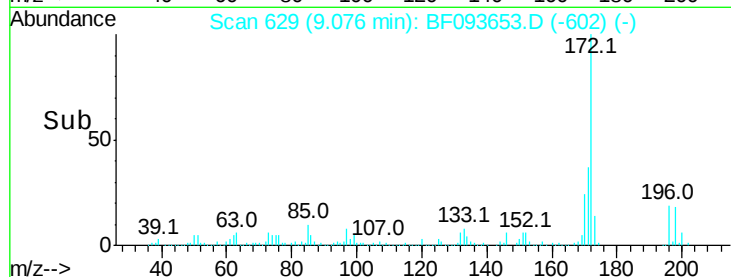
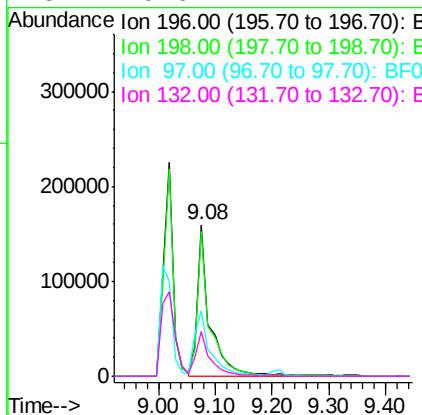
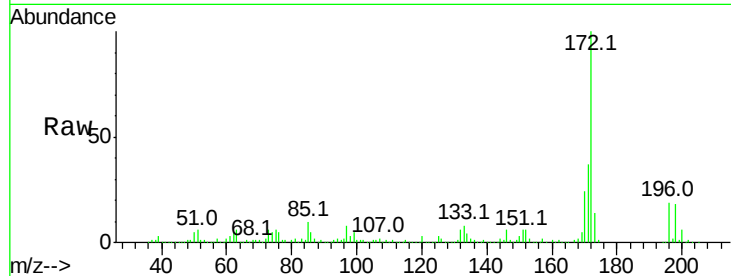
#43
2,4,5-Trichlorophenol
Concen: 38.60 ng
RT: 9.08 min Scan# 629
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	241116		
198	95.9	79.4	119.2	
97	43.6	51.5	77.3	
132	29.6	27.4	41.2	

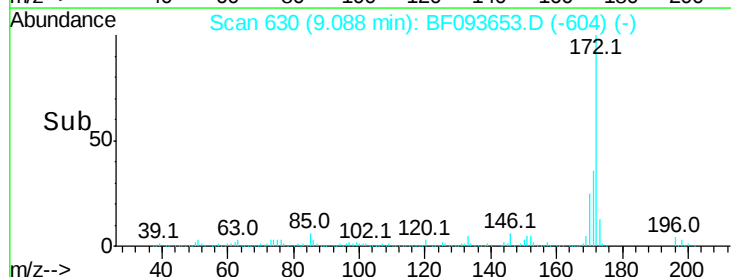
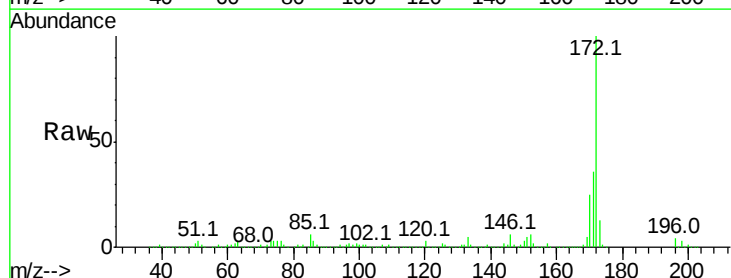
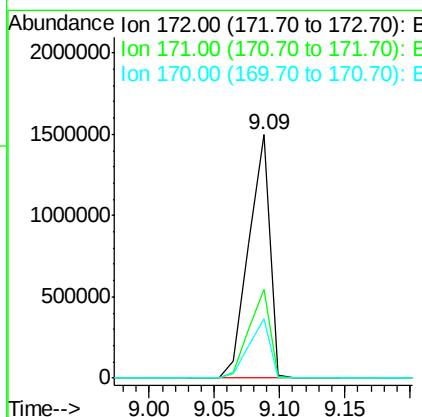
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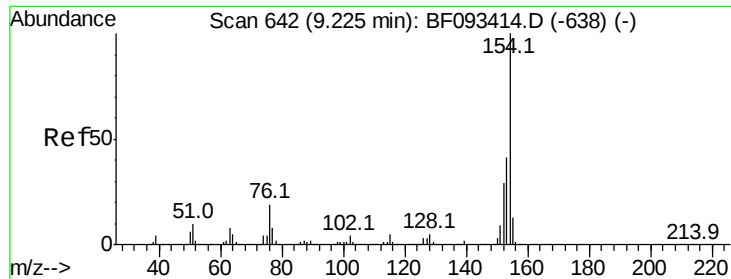
mohammad
3/15/2017 5:39:01 PM



#44
2-Fluorobiphenyl
Concen: 92.09 ng
RT: 9.09 min Scan# 630
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1689615		
171	36.3	29.4	44.0	
170	24.5	20.2	30.4	





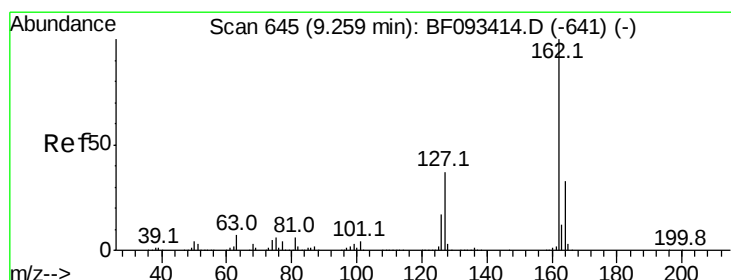
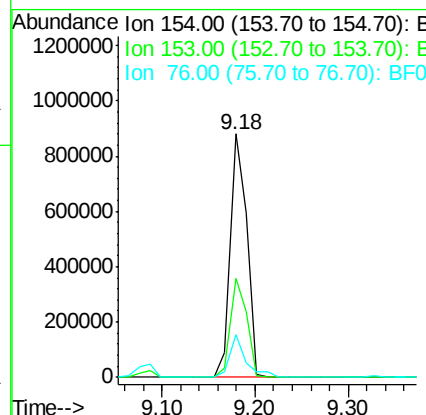
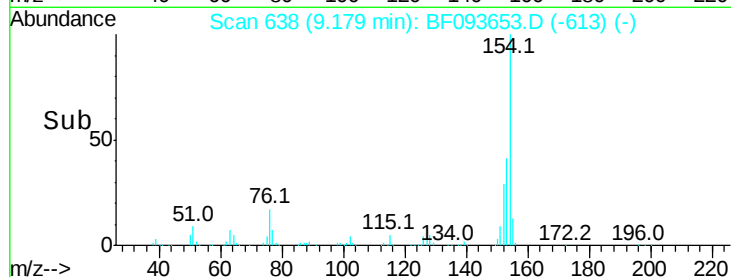
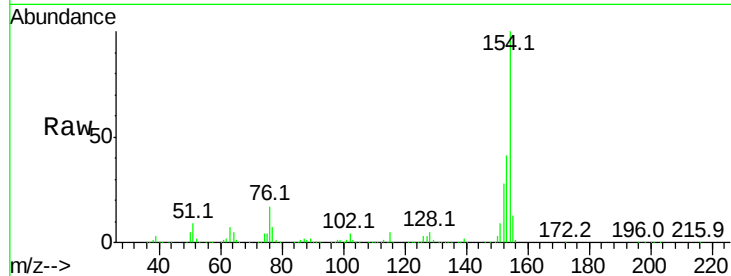
#45
 1,1'-Biphenyl
 Concen: 43.63 ng
 RT: 9.18 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB97542BS

Tot Ion:154 Resp: 1084694
 Ion Ratio Lower Upper
 154 100
 153 40.7 20.9 60.9
 76 17.3 0.0 30.5

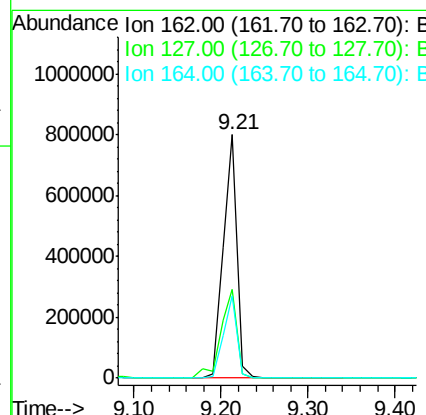
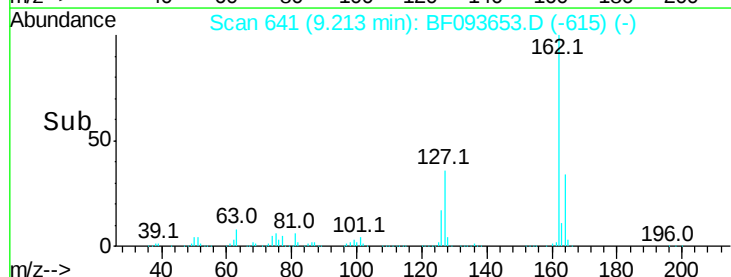
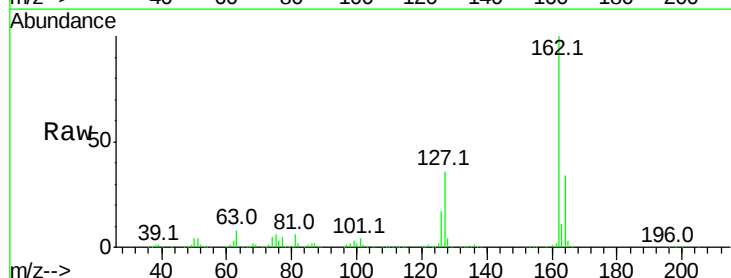
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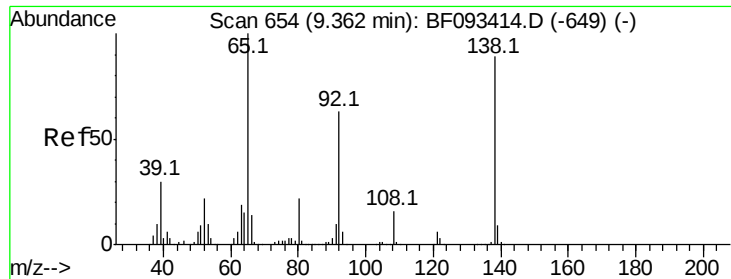
mohammad
 3/15/2017 5:39:01 PM



#46
 2-Chloronaphthalene
 Concen: 46.72 ng
 RT: 9.21 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Tgt Ion:162 Resp: 889066
 Ion Ratio Lower Upper
 162 100
 127 36.2 30.7 46.1
 164 33.6 27.6 41.4





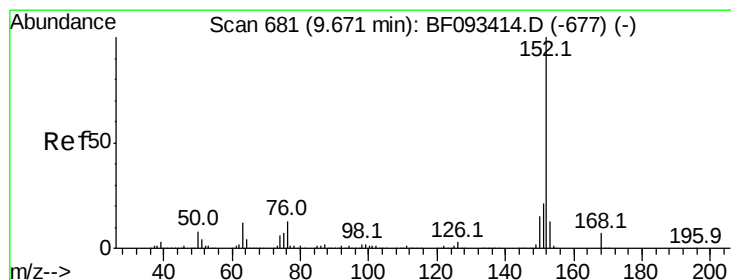
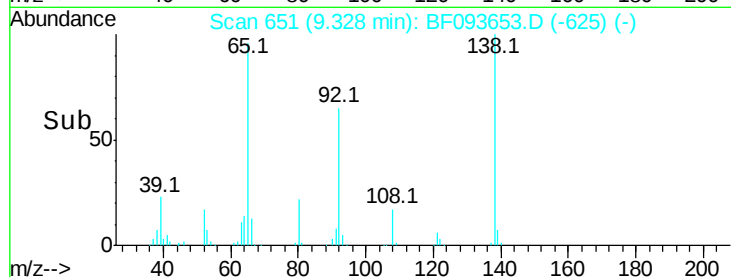
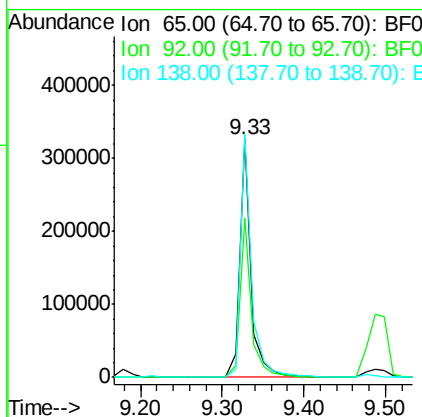
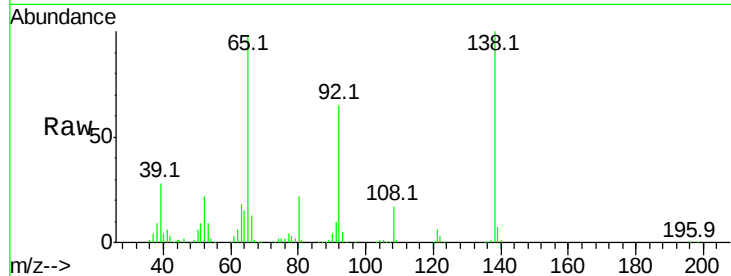
#47
2-Nitroaniline
Concen: 46.85 ng
RT: 9.33 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	66.7	53.9	80.9
138	102.4	76.8	115.2

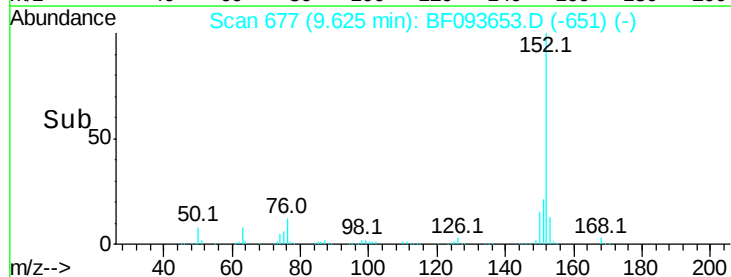
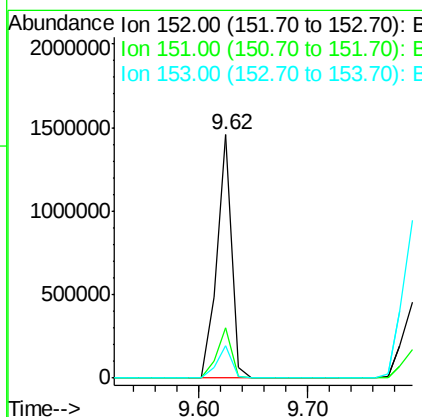
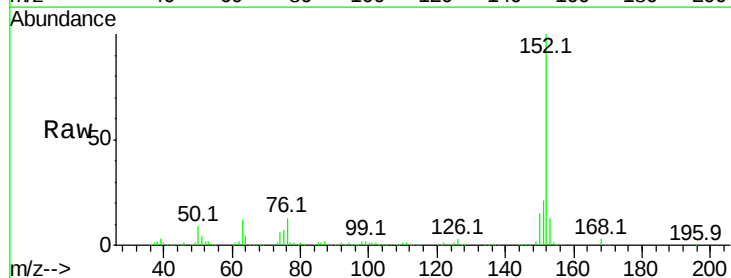
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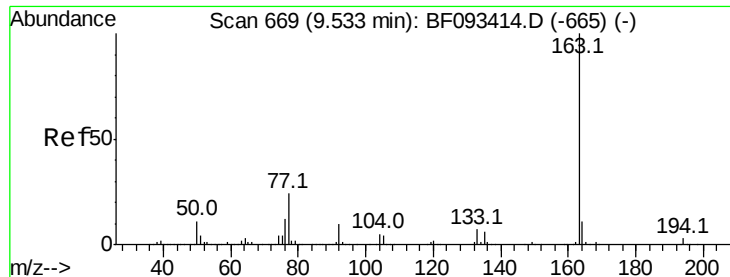
mohammad
3/15/2017 5:39:01 PM



#48
Acenaphthylene
Concen: 44.32 ng
RT: 9.62 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.9	25.3
153	13.3	11.4	17.2





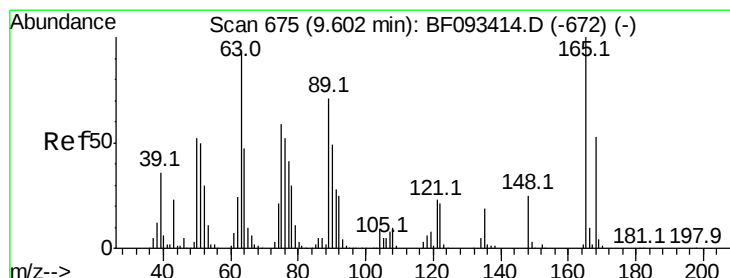
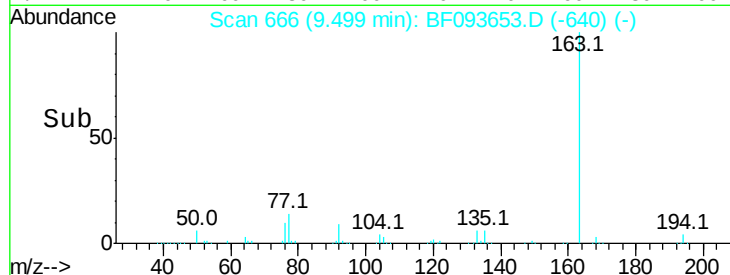
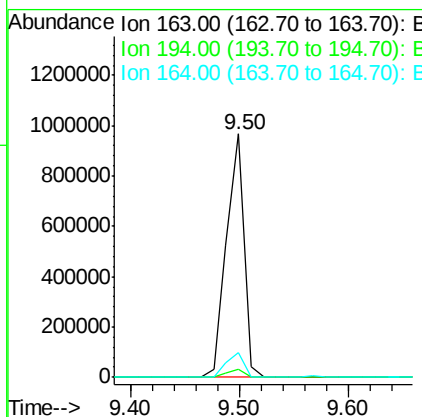
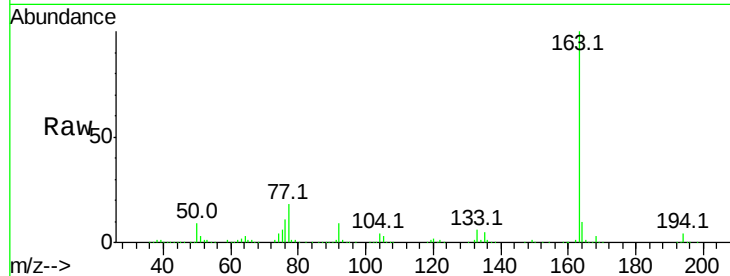
#49
Dimethylphthalate
Concen: 47.65 ng
RT: 9.50 min Scan# 666
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion:163 Resp: 1078104
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 10.1 8.0 12.0

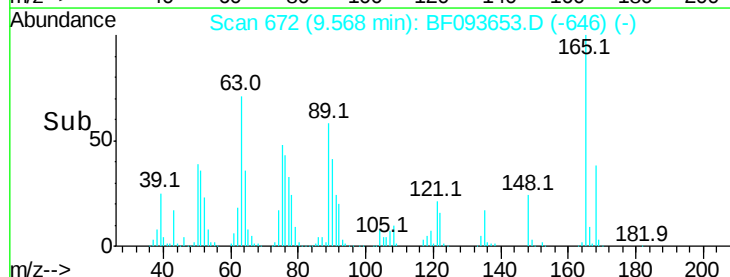
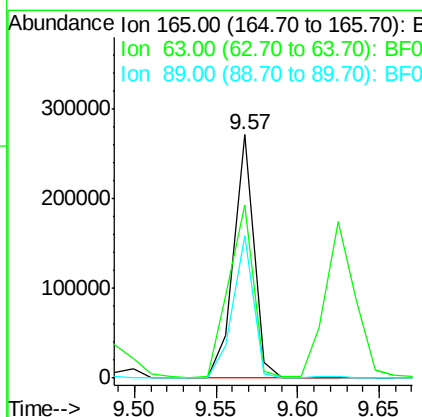
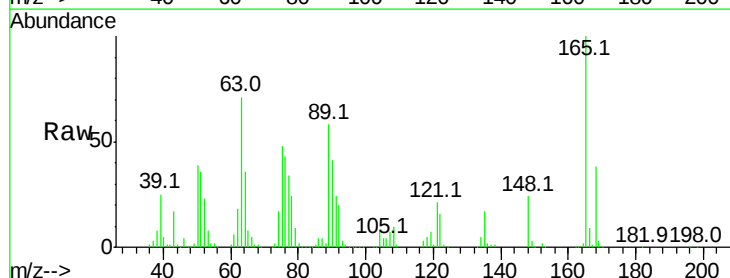
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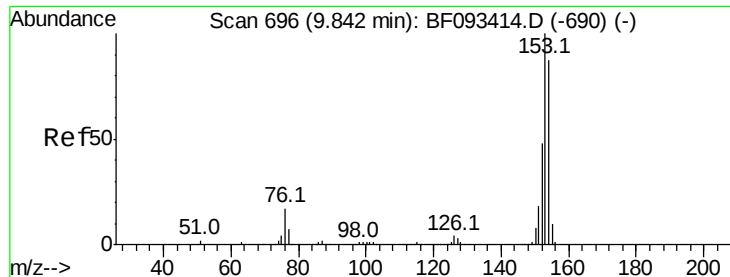
mohammad
3/15/2017 5:39:01 PM



#50
2,6-Dinitrotoluene
Concen: 46.66 ng
RT: 9.57 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion:165 Resp: 231626
Ion Ratio Lower Upper
165 100
63 71.0 36.2 54.4#
89 58.5 40.2 60.4





#51

Acenaphthene

Concen: 45.71 ng

RT: 9.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

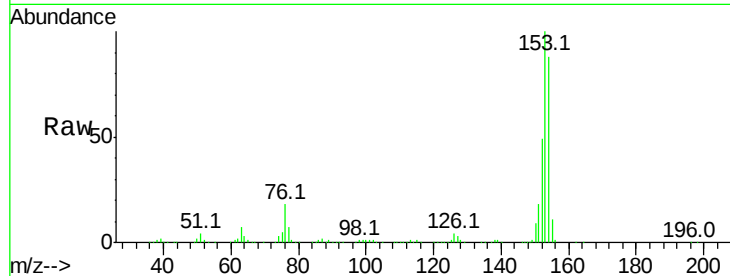
ClientSampleId :

PB97542BS

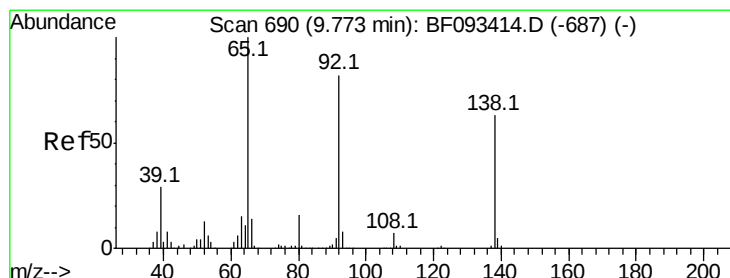
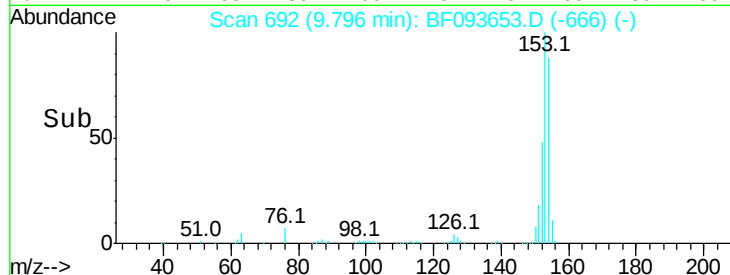
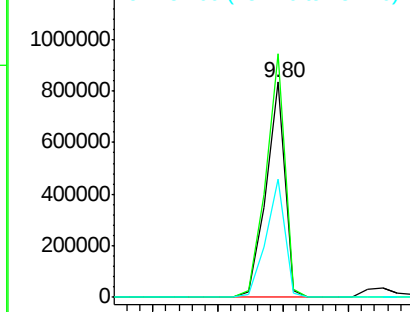
Tot Ion:	154	Resp:	848224
Ion Ratio	Lower	Upper	
154	100		
153	113.1	88.6	133.0
152	54.9	41.6	62.4

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



#52

3-Nitroaniline

Concen: 28.97 ng

RT: 9.75 min Scan# 688

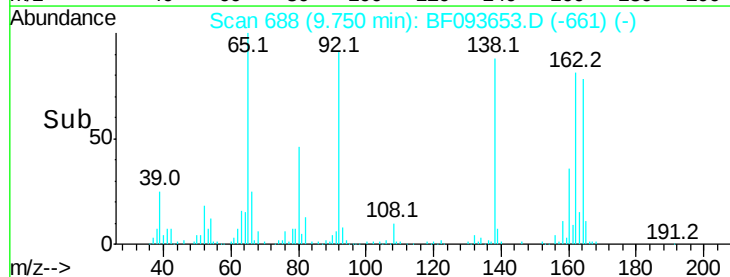
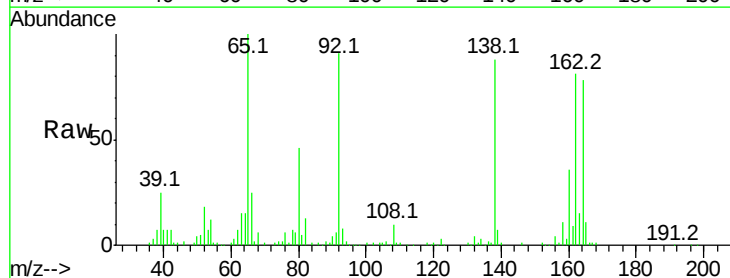
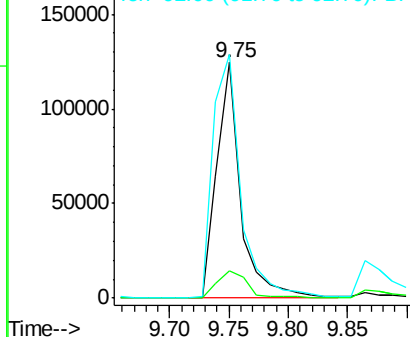
Delta R.T. 0.01 min

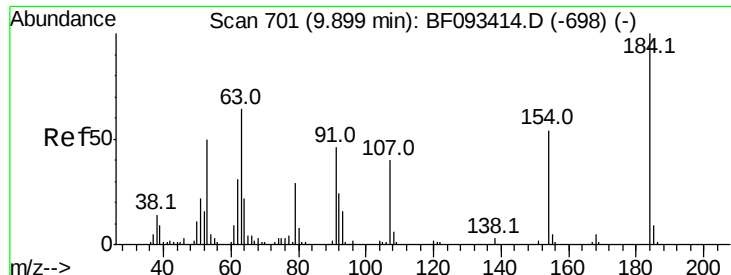
Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Tgt Ion:	138	Resp:	172809
Ion Ratio	Lower	Upper	
138	100		
108	11.7	8.5	12.7
92	103.4	97.8	146.8

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





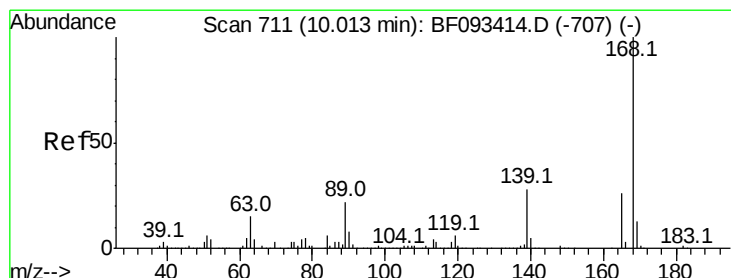
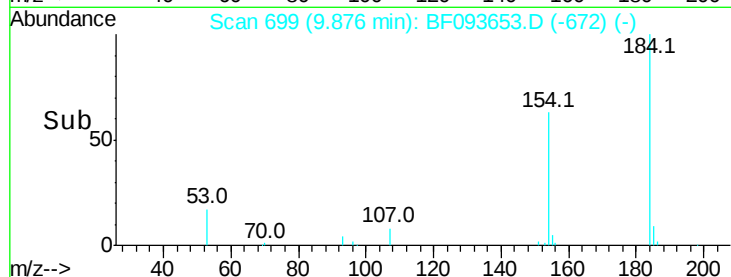
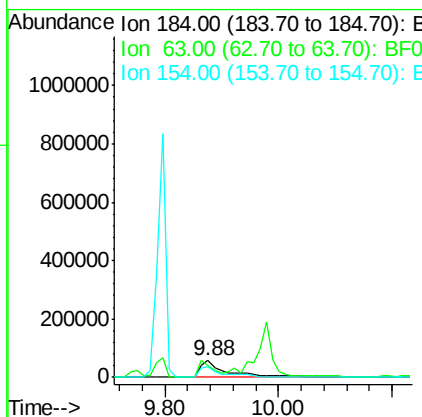
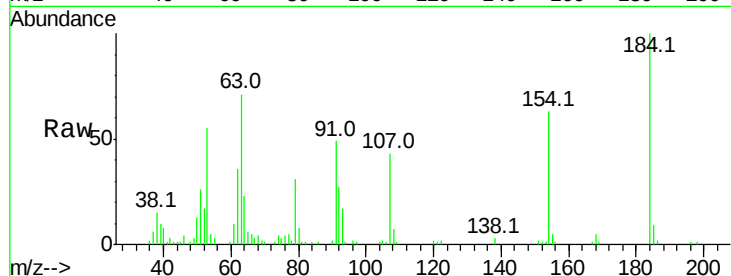
#53
2,4-Dinitrophenol
Concen: 81.54 ng
RT: 9.88 min Scan# 699
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	184342		
63	71.4	28.4	42.6#	
154	63.4	44.3	66.5	

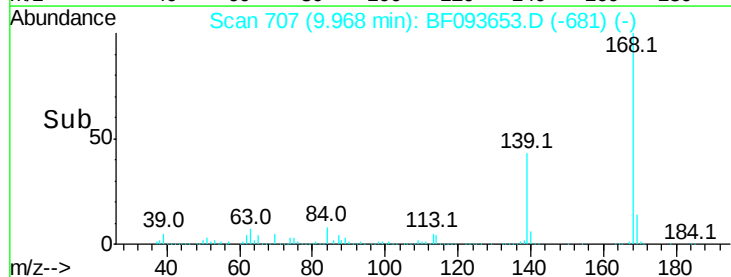
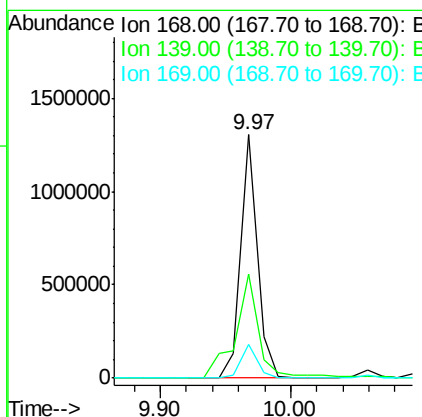
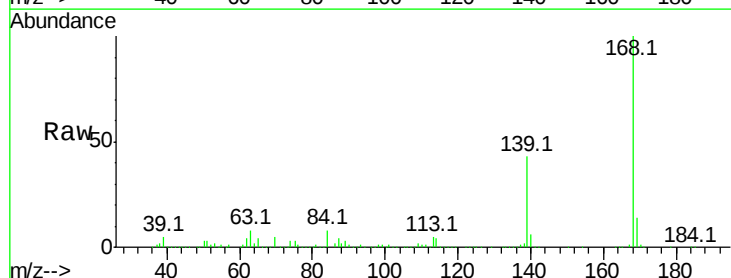
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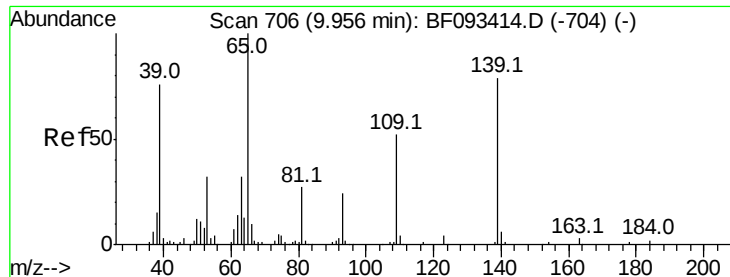
mohammad
3/15/2017 5:39:01 PM



#54
Dibenzofuran
Concen: 49.29 ng
RT: 9.97 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1144811		
139	42.5	32.6	49.0	
169	13.8	11.3	16.9	





#55

4-Nitrophenol

Concen: 66.55 ng/ml

RT: 9.96 min Scan# 706

Delta R.T. 0.02 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

ClientSampleId :

PB97542BS

Tot Ion:139 Resp: 192774

Ion Ratio Lower Upper

139 100

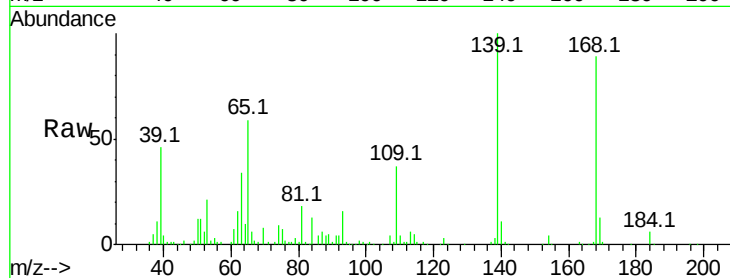
109 37.4 52.2 92.2#

65 58.5 85.8 125.8#

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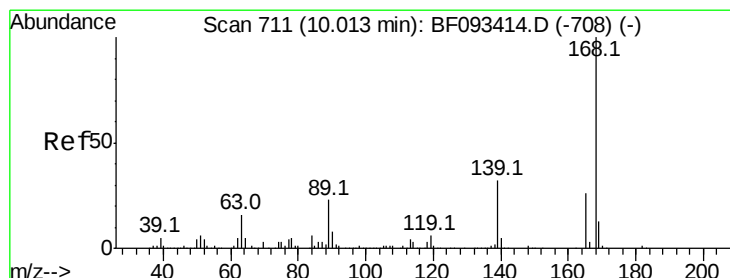
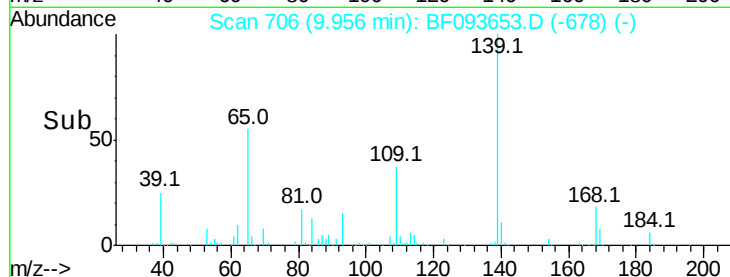
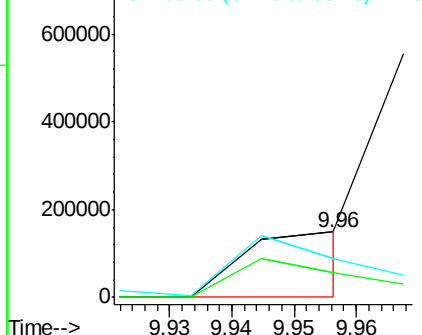
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Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 51.27 ng/ml

RT: 9.98 min Scan# 708

Delta R.T. -0.00 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Tgt Ion:165 Resp: 312669

Ion Ratio Lower Upper

165 100

63 68.8 40.2 60.4#

89 91.6 62.5 93.7

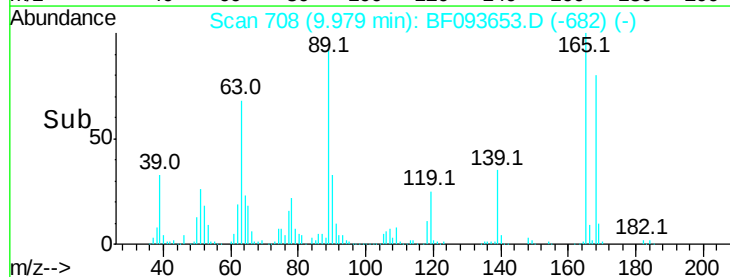
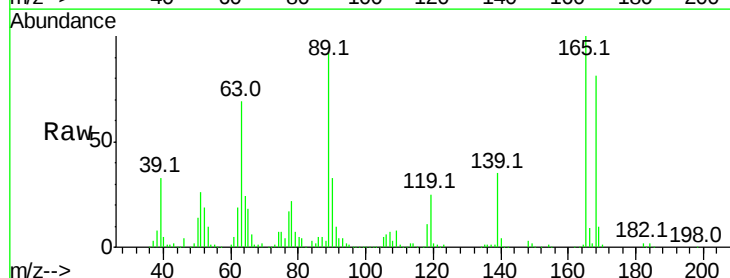
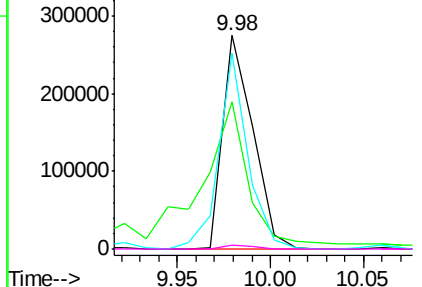
182 1.9 1.8 2.8

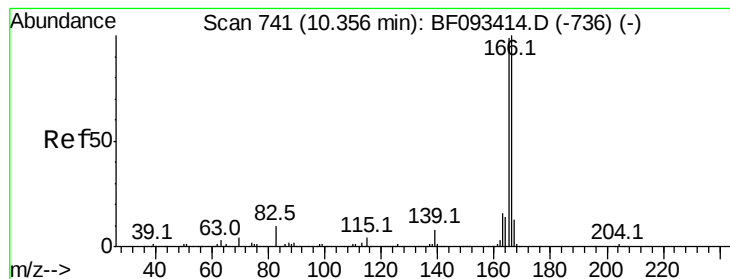
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 45.87 ng

RT: 10.31 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

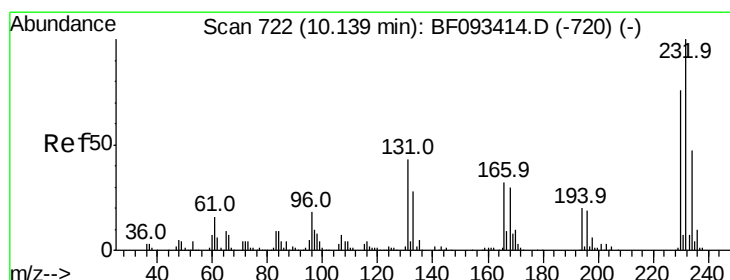
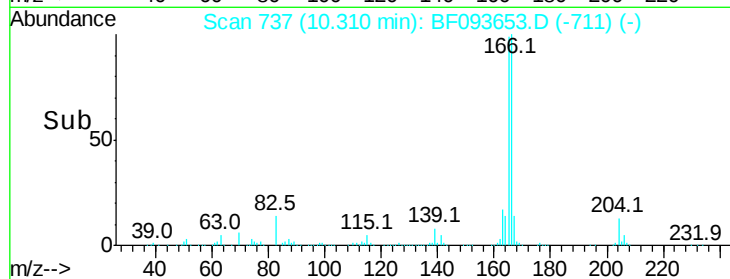
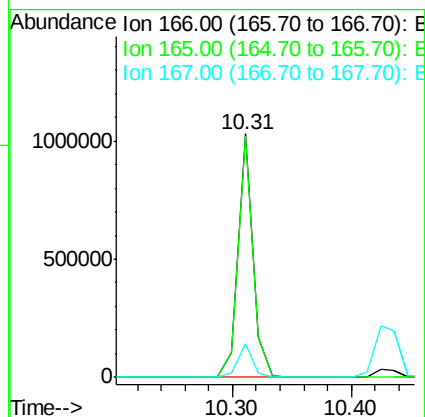
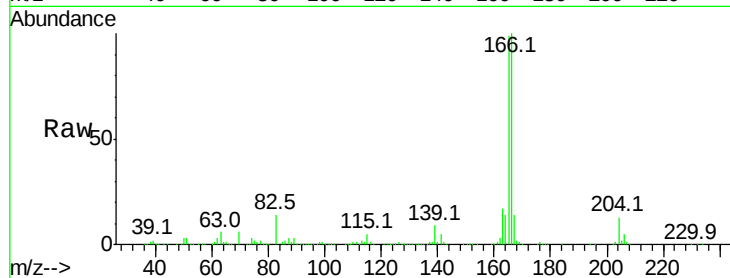
ClientSampled :

PB97542BS

Tot Ion:	166	Resp:	902902
Ion Ratio	Lower	Upper	
166	100		
165	98.9	77.8	116.8
167	13.7	10.8	16.2

Manual Integrations
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3/15/2017 5:39:01 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 52.79 ng

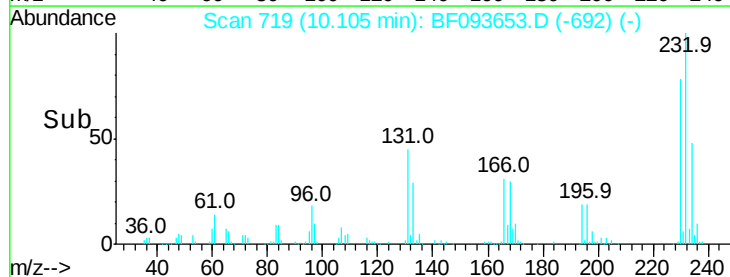
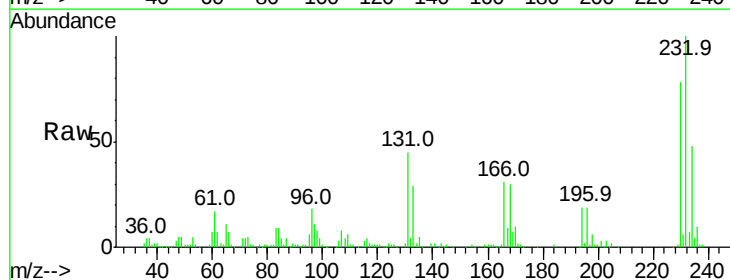
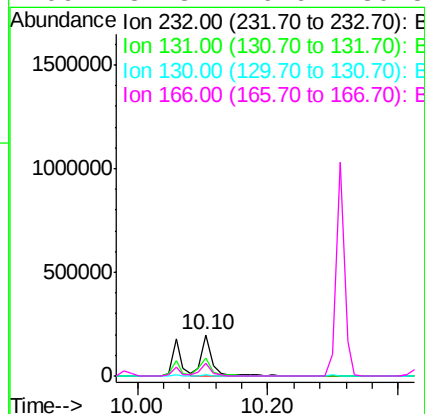
RT: 10.10 min Scan# 719

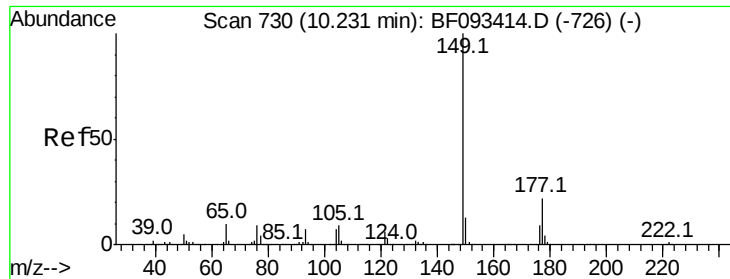
Delta R.T. 0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Tgt Ion:	232	Resp:	232754
Ion Ratio	Lower	Upper	
232	100		
131	44.2	40.1	60.1
130	2.3	1.8	2.8
166	32.3	26.6	39.8





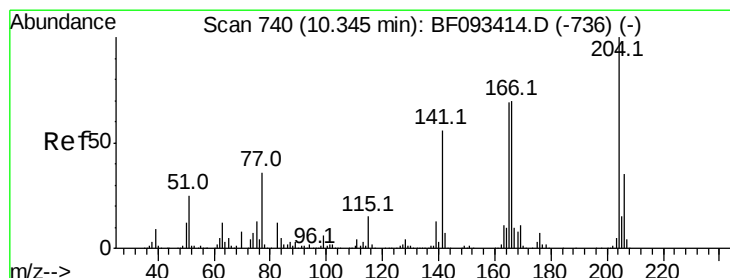
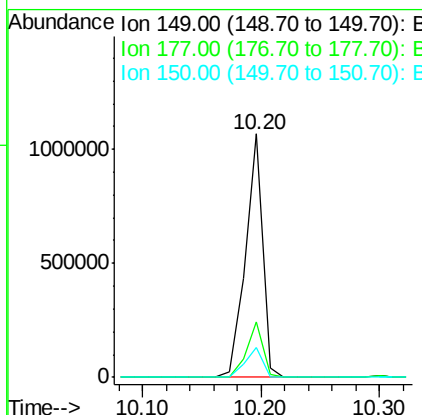
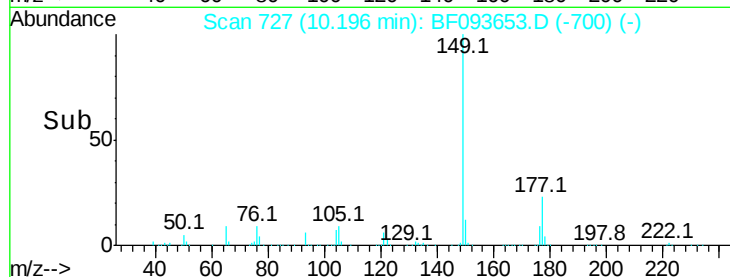
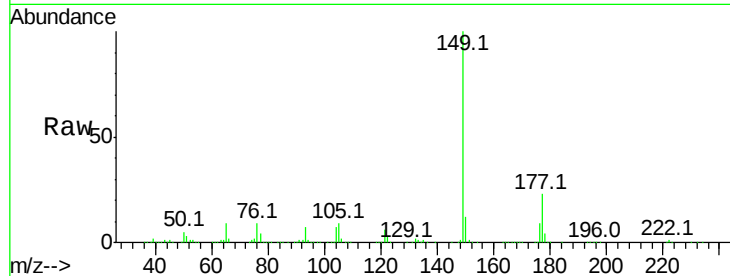
#59
Diethylphthalate
Concen: 49.78 ng
RT: 10.20 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampled :
PB97542BS

Tot Ion:149 Resp: 1076467
Ion Ratio Lower Upper
149 100
177 22.6 16.6 25.0
150 12.4 10.4 15.6

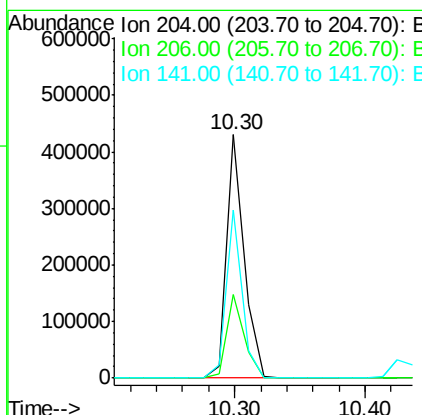
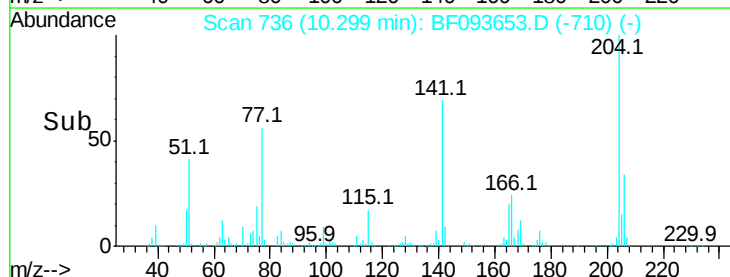
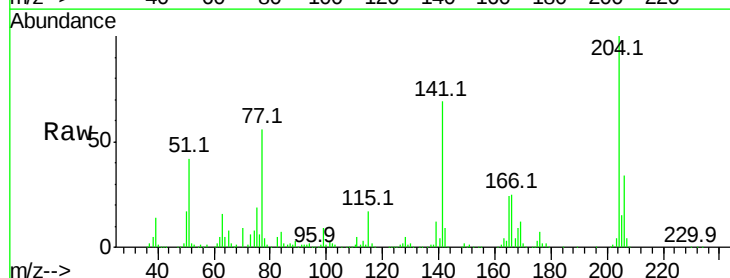
Manual Integrations
APPROVED

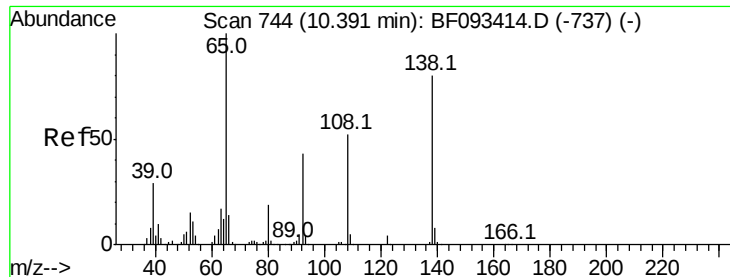
mohammad
3/15/2017 5:39:01 PM



#60
4-Chlorophenyl-phenylether
Concen: 45.56 ng
RT: 10.30 min Scan# 736
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion:204 Resp: 401962
Ion Ratio Lower Upper
204 100
206 34.4 25.8 38.6
141 68.8 59.4 89.0





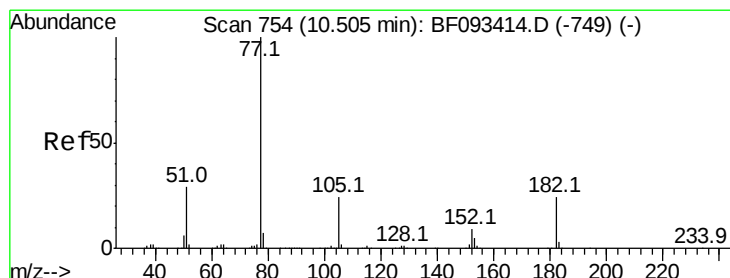
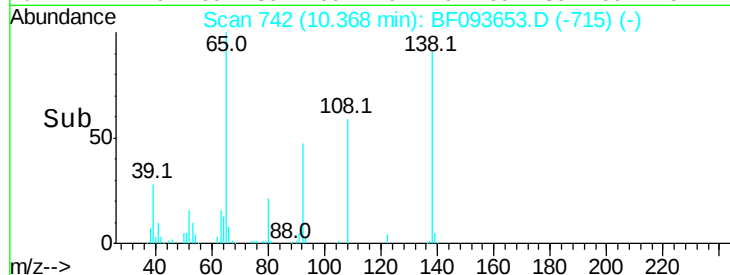
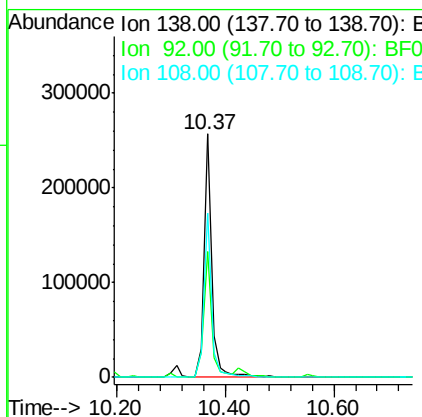
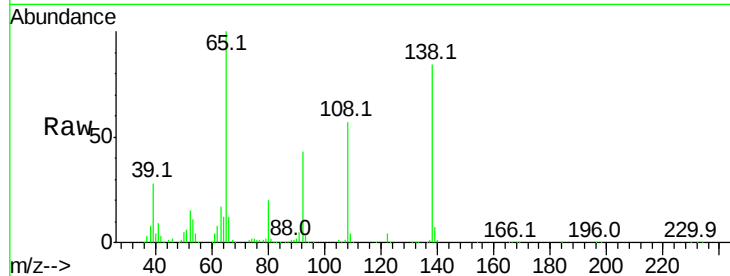
#61
4-Nitroaniline
Concen: 41.22 ng
RT: 10.37 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	51.7	31.7	71.7
108	67.4	52.6	92.6

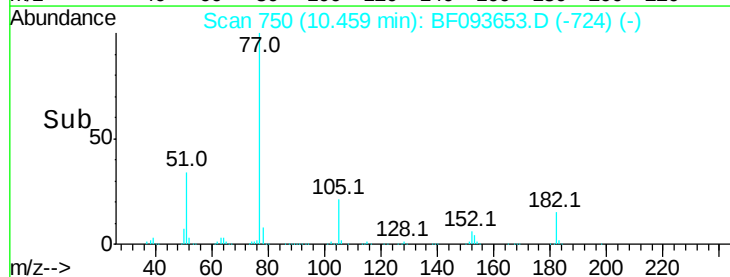
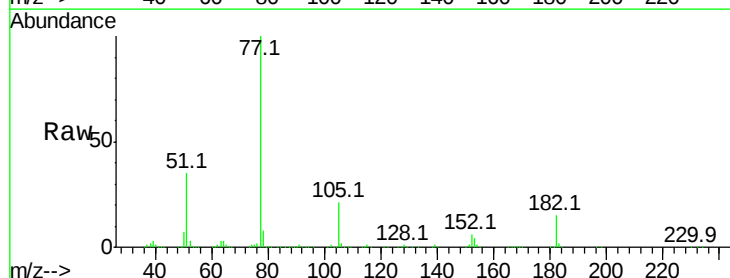
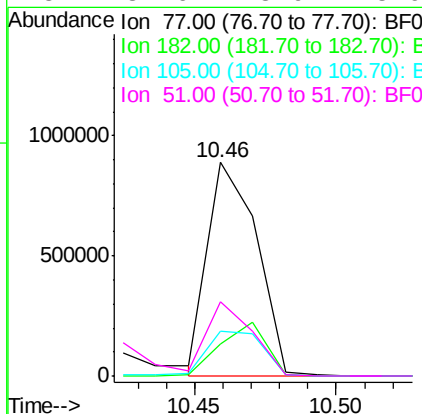
Manual Integrations
APPROVED

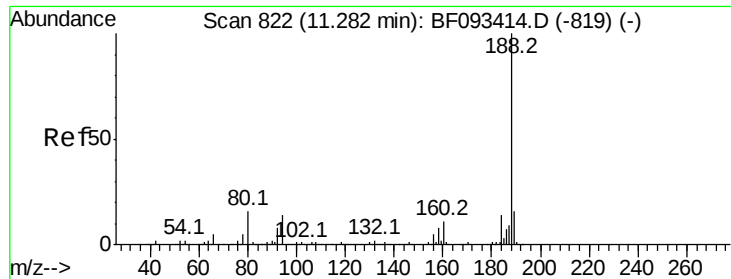
mohammad
3/15/2017 5:39:01 PM



#62
Azobenzene
Concen: 44.06 ng m
RT: 10.46 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
77	100		
182	14.9	0.0	39.3
105	21.2	2.3	42.3
51	34.6	8.9	48.9





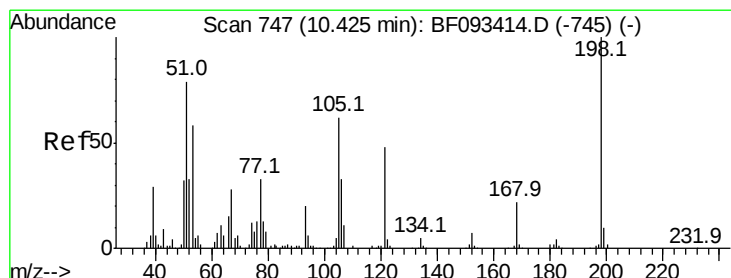
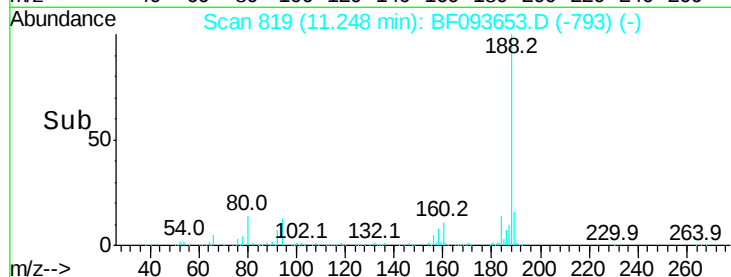
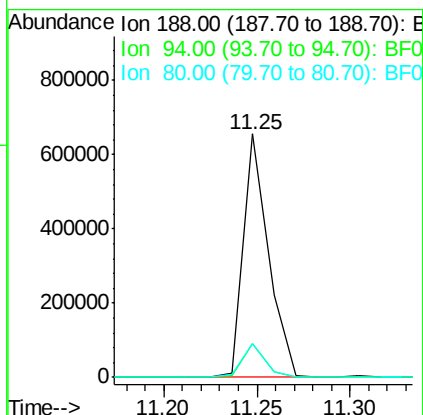
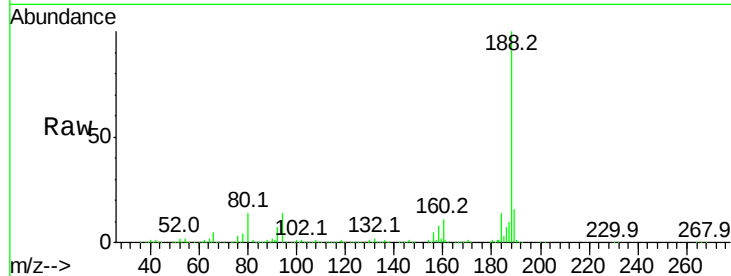
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	614945		
94	13.7		10.0	15.0
80	14.1		11.2	16.8

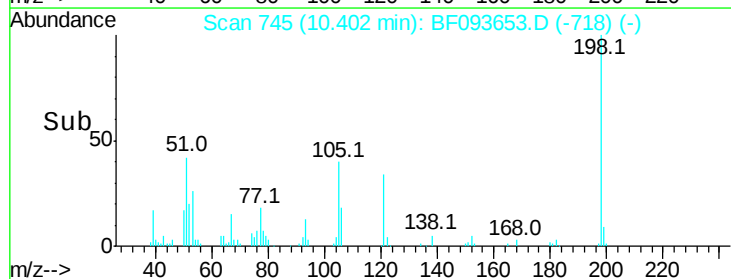
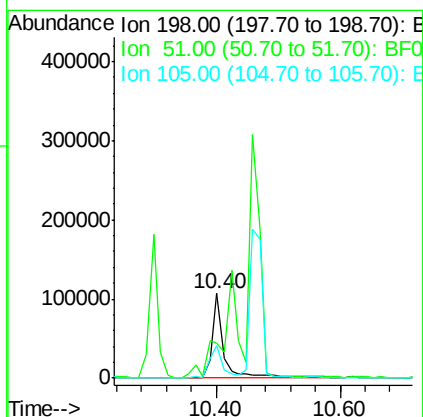
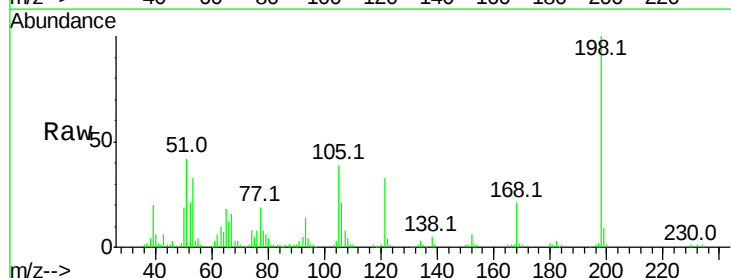
Manual Integrations
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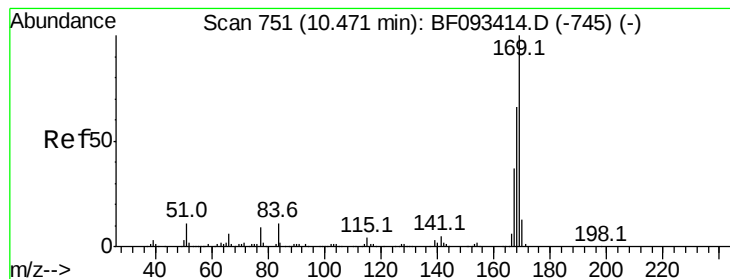
mohammad
3/15/2017 5:39:01 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 34.97 ng
RT: 10.40 min Scan# 745
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	139317		
51	42.1		6.7	46.7
105	39.1		16.6	56.6





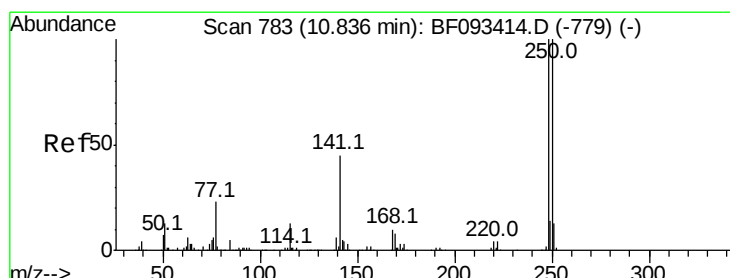
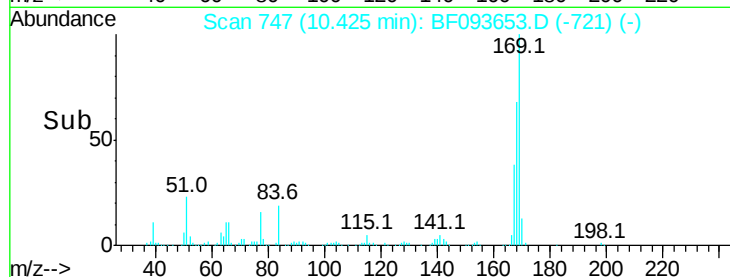
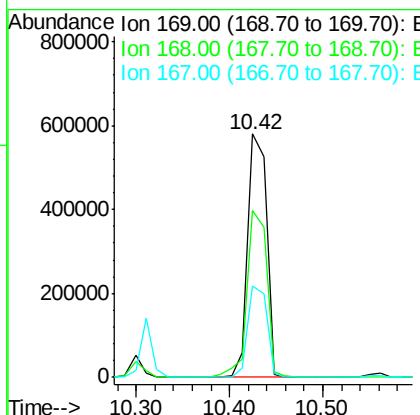
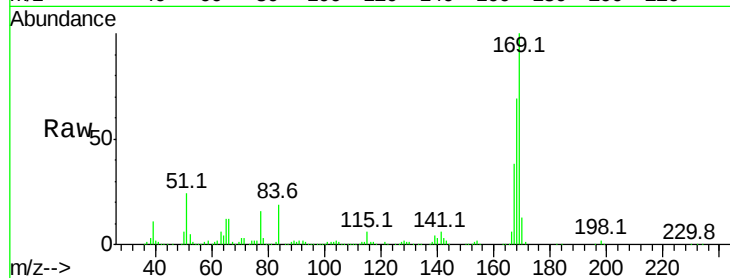
#65
n-Nitrosodiphenylamine
Concen: 39.45 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
169	100	809978		
168	68.6		54.2	81.2
167	37.7		30.2	45.4

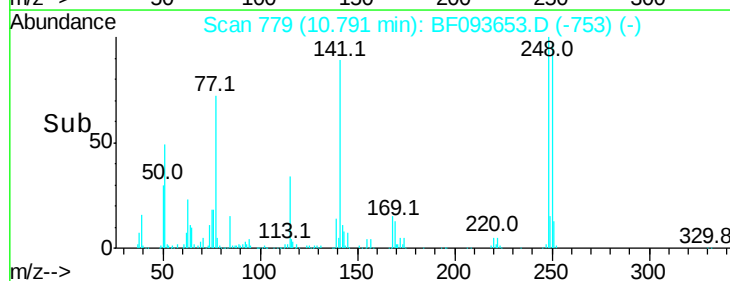
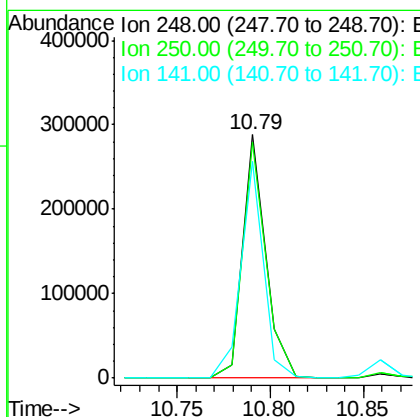
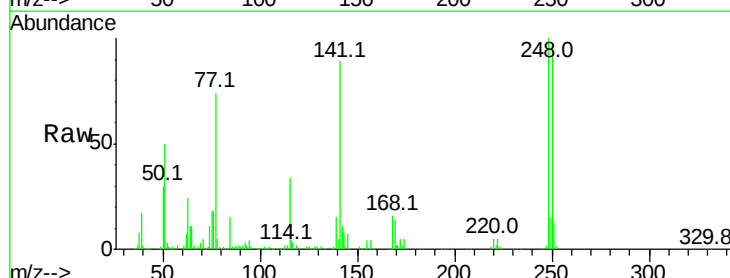
Manual Integrations
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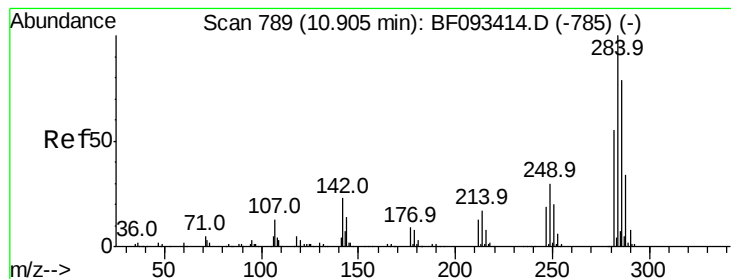
mohammad
3/15/2017 5:39:01 PM



#66
4-Bromophenyl-phenylether
Concen: 38.55 ng
RT: 10.79 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	250686		
250	96.9		76.9	115.3
141	89.1		68.2	102.4





#67

Hexachlorobenzene

Concen: 39.57 ng

RT: 10.86 min Scan# 785

Delta R.T. -0.00 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

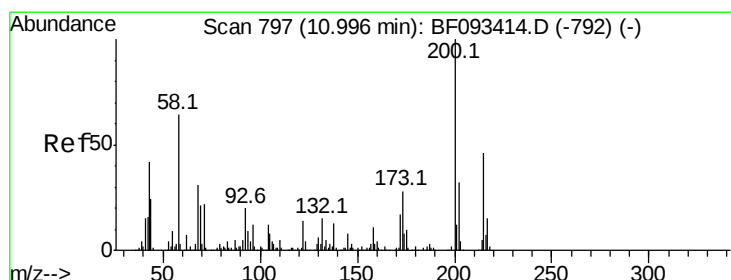
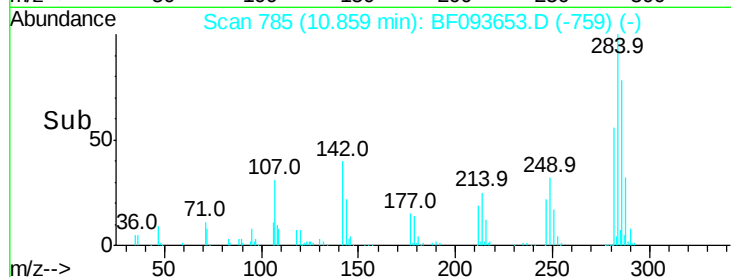
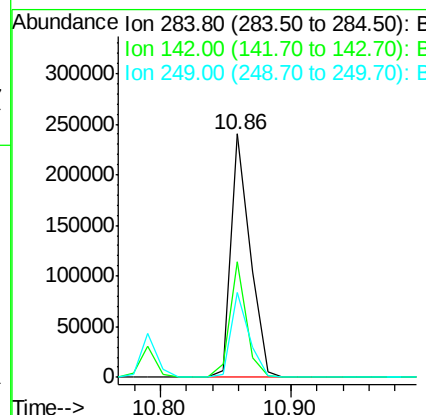
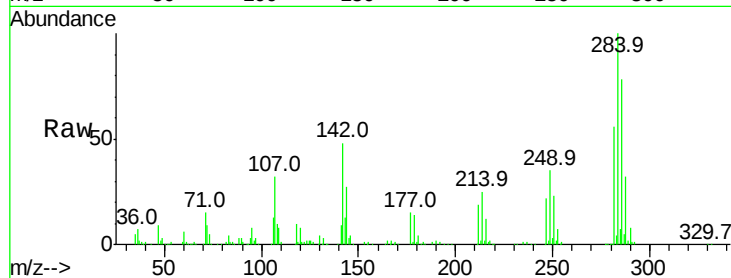
ClientSampleId :

PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100	245700		
142	47.5	22.6	33.8#	
249	35.0	25.4	38.0	

Manual Integrations
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mohammad
3/15/2017 5:39:01 PM



#68

Atrazine

Concen: 34.49 ng

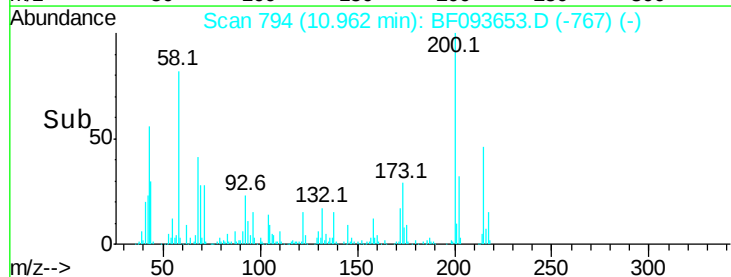
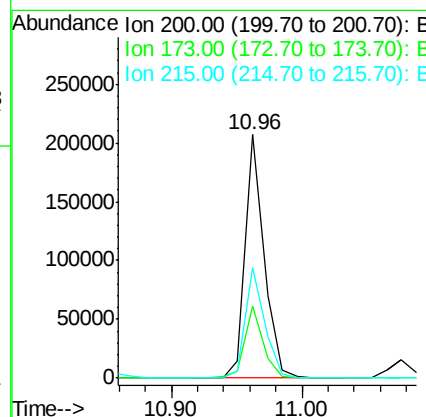
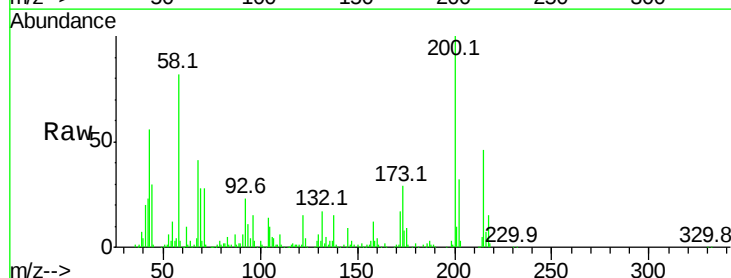
RT: 10.96 min Scan# 794

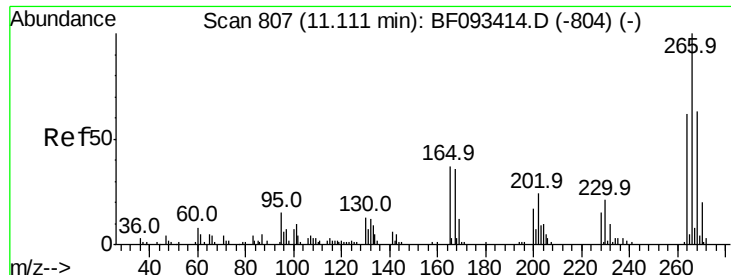
Delta R.T. 0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	207265		
173	29.4	9.6	49.6	
215	45.6	25.7	65.7	





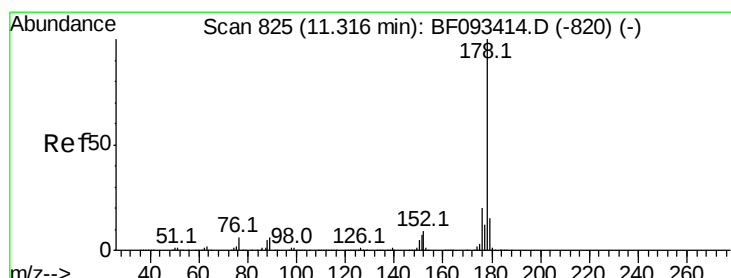
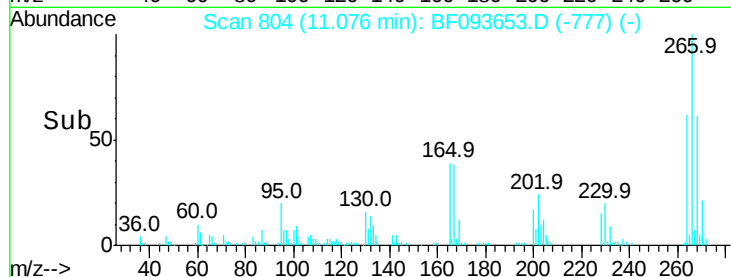
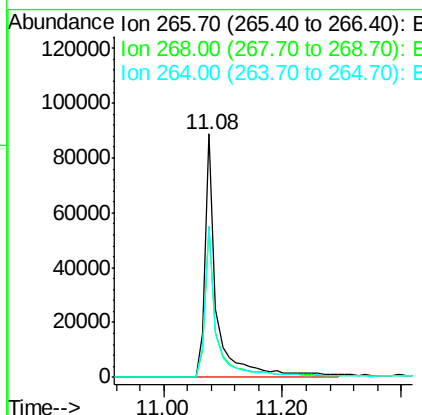
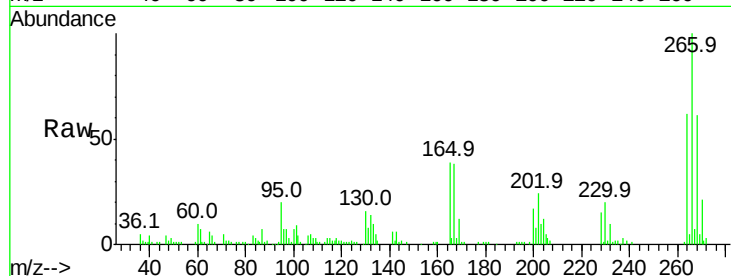
#69
 Pentachlorophenol
 Concen: 59.21 ng
 RT: 11.08 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	126928		
268	61.4	53.3	79.9	
264	62.2	50.3	75.5	

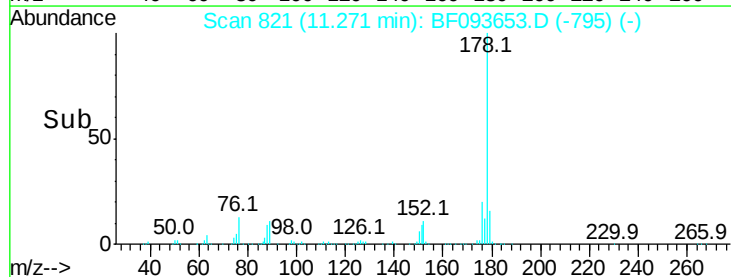
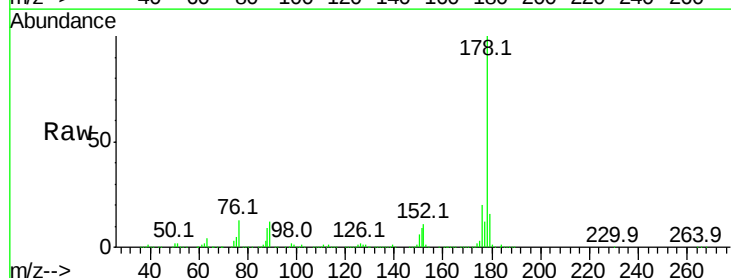
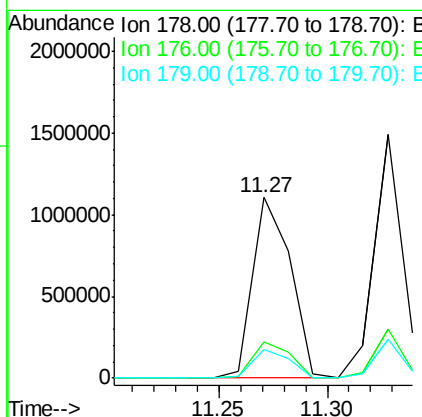
Manual Integrations
 APPROVED

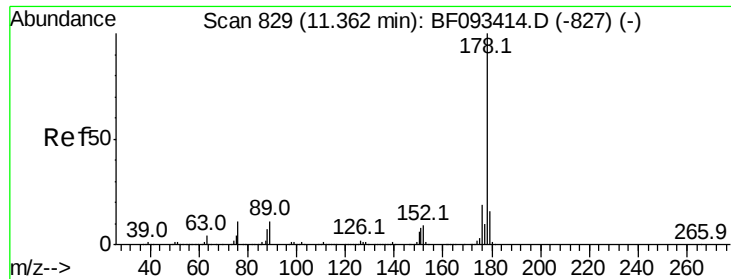
mohammad
 3/15/2017 5:39:01 PM



#70
 Phenanthrene
 Concen: 38.27 ng
 RT: 11.27 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1343231		
176	20.1	16.6	25.0	
179	16.1	12.8	19.2	





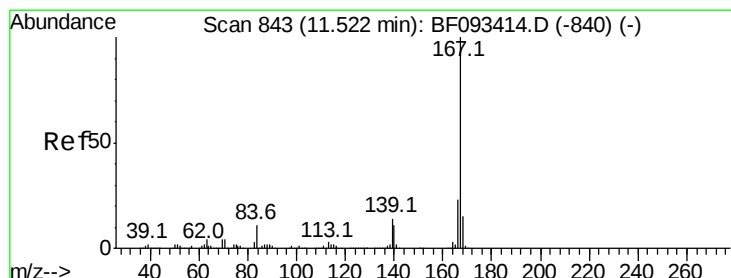
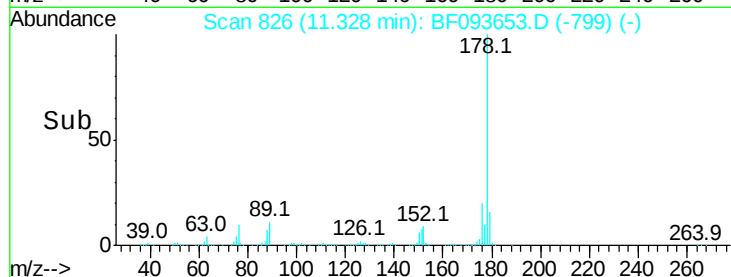
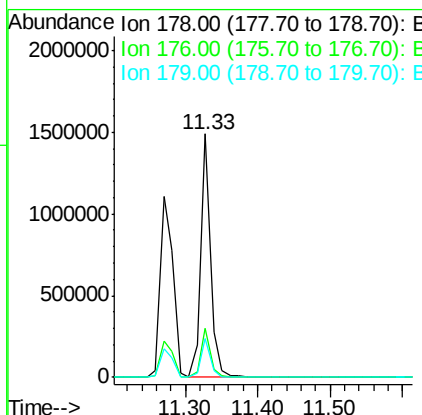
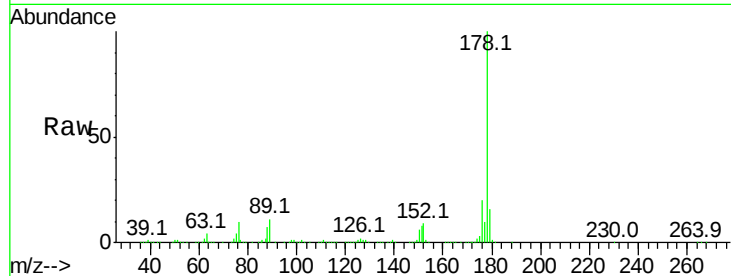
#71
 Anthracene
 Concen: 39.36 ng
 RT: 11.33 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB97542BS

Tot Ion:178 Resp: 1397525
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.9 23.9
 179 16.0 13.2 19.8

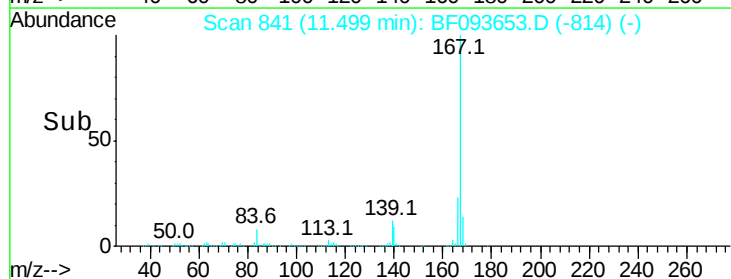
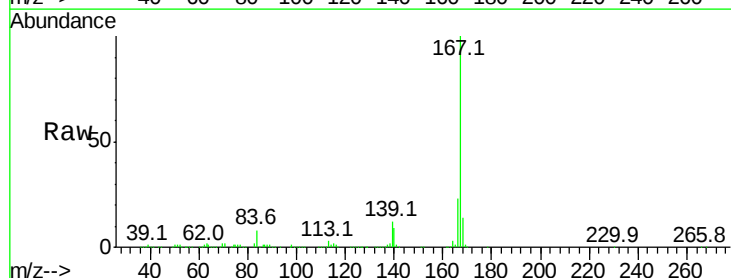
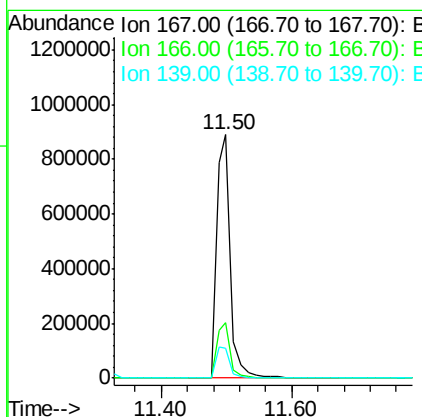
Manual Integrations
 APPROVED

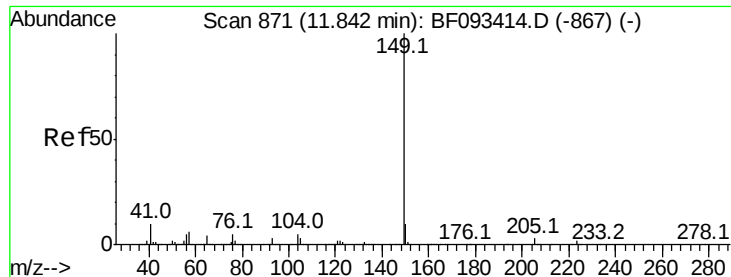
mohammad
 3/15/2017 5:39:01 PM



#72
 Carbazole
 Concen: 39.64 ng
 RT: 11.50 min Scan# 841
 Delta R.T. 0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Tgt Ion:167 Resp: 1322191
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.2 27.2
 139 12.5 11.4 17.2





#73

Di-n-butylphthalate

Concen: 42.66 ng

RT: 11.82 min Scan# 869

Delta R.T. 0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

ClientSampleId :

PB97542BS

Tot Ion:149 Resp: 1646431

Ion Ratio Lower Upper

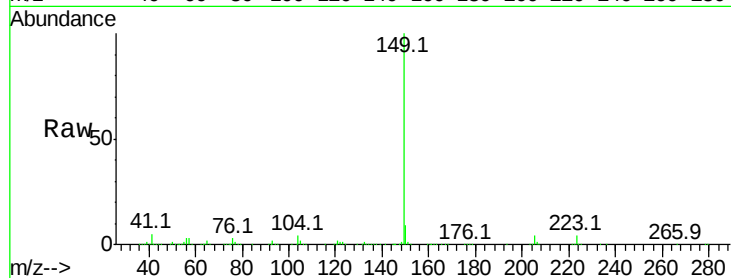
149 100

150 9.0 8.1 12.1

104 3.6 4.6 7.0#

Manual Integrations
APPROVED

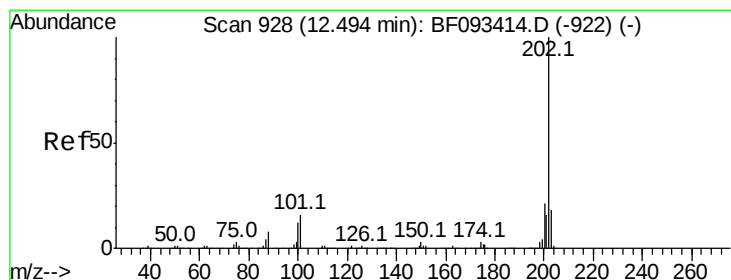
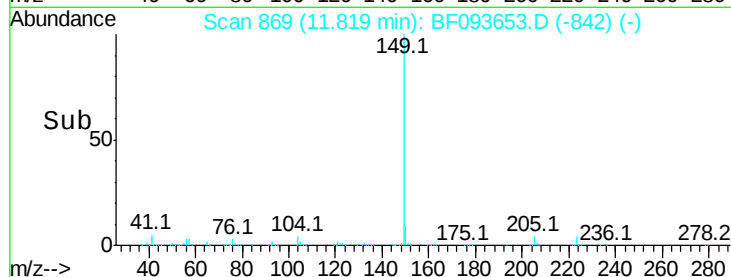
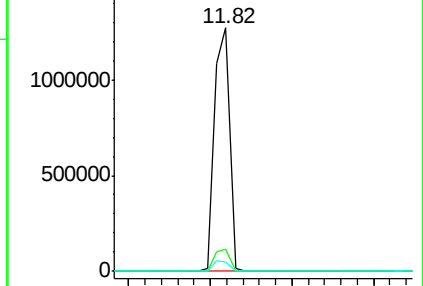
mohammad
3/15/2017 5:39:01 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.35 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

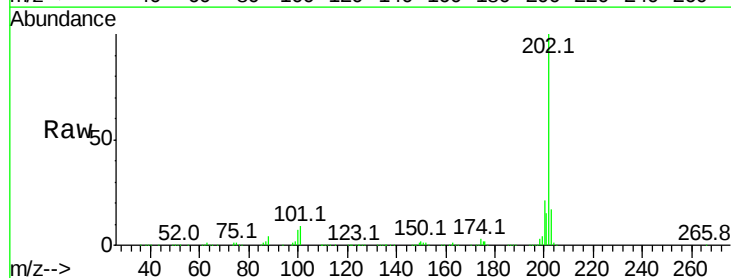
Tgt Ion:202 Resp: 1402048

Ion Ratio Lower Upper

202 100

101 9.1 0.0 34.6

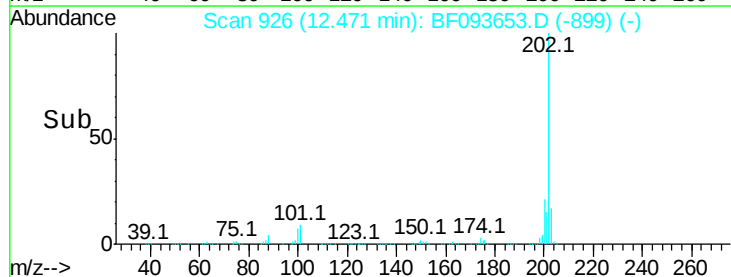
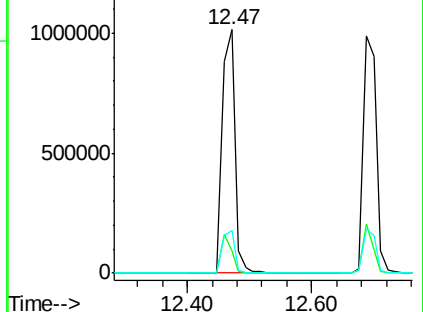
203 17.5 0.0 38.7

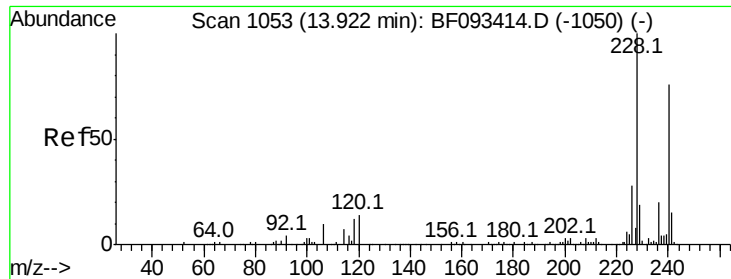


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Instrument :

BNA_F

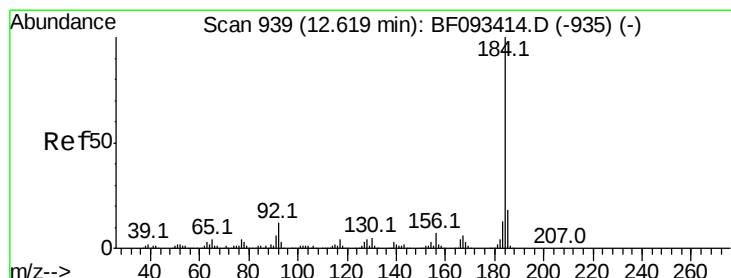
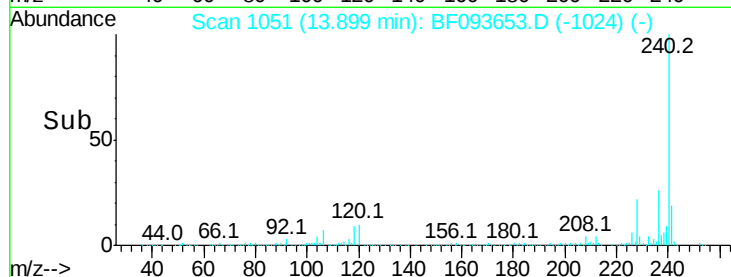
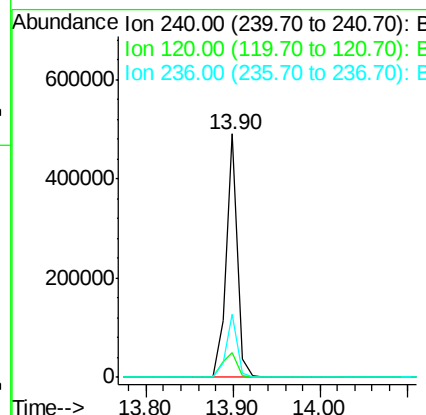
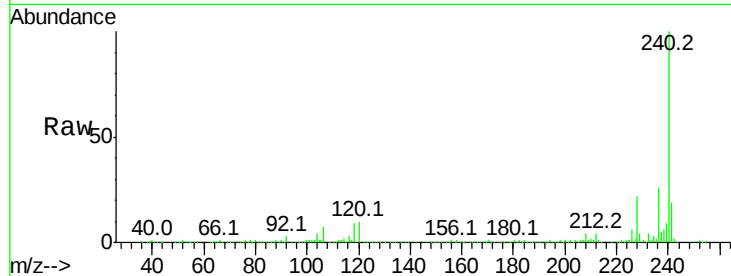
ClientSampleId :

PB97542BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	12.9	19.3#
236	26.2	20.9	31.3

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#76

Benzidine

Concen: 24.31 ng

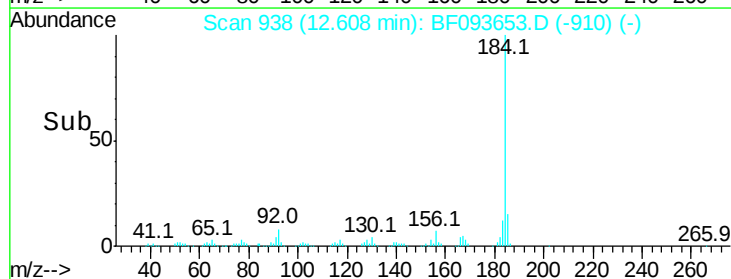
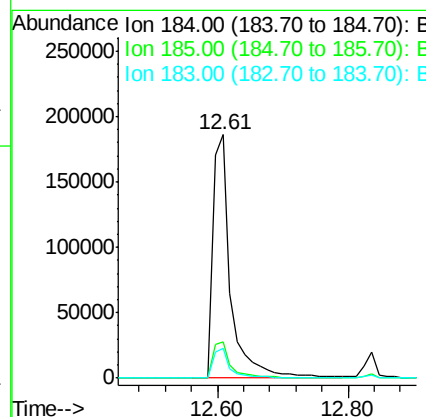
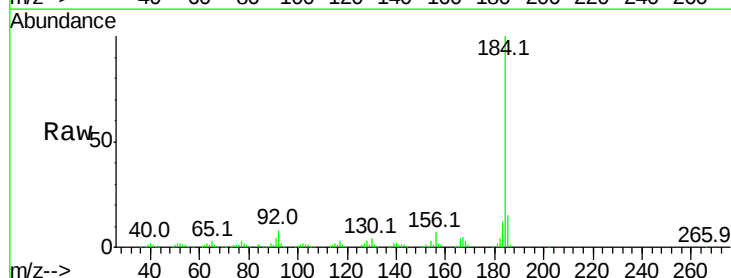
RT: 12.61 min Scan# 938

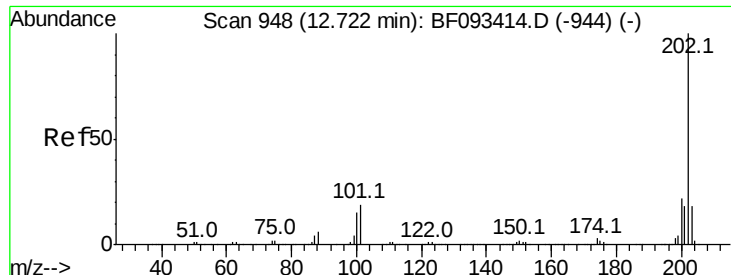
Delta R.T. 0.02 min

Lab File: BF093653.D

Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.9	13.4	20.0
183	12.0	9.2	13.8





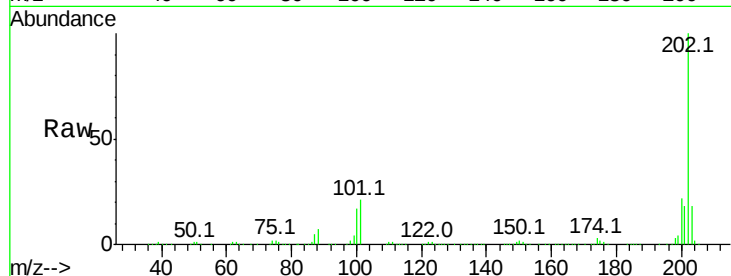
#77
Pvrene
Concen: 42.77 ng
RT: 12.69 min Scan# 945
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

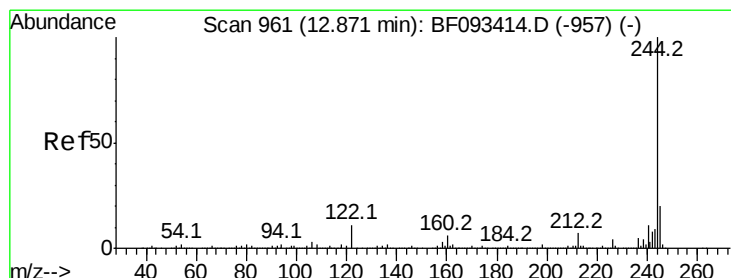
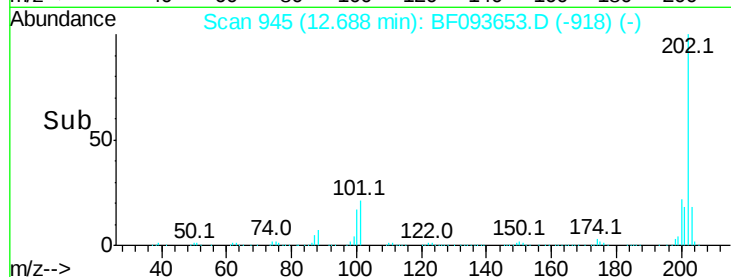
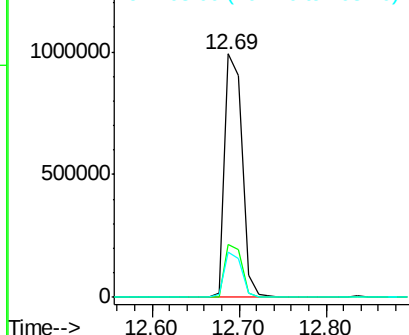
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	18.4	14.7	22.1

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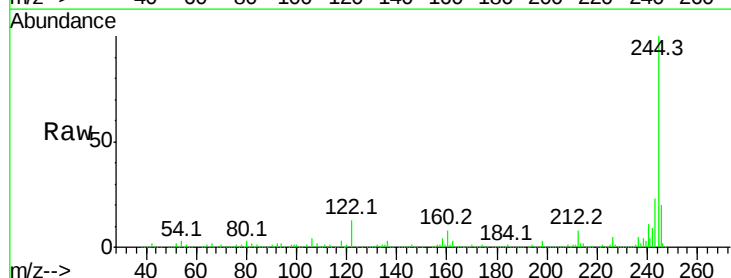


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

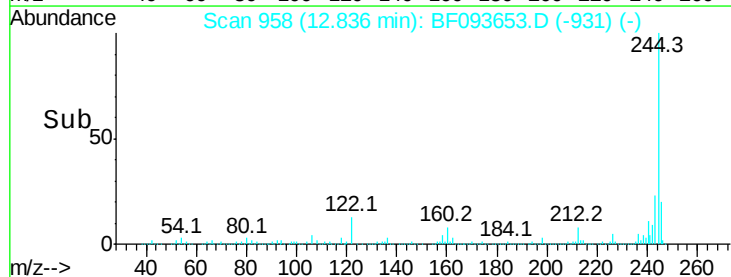
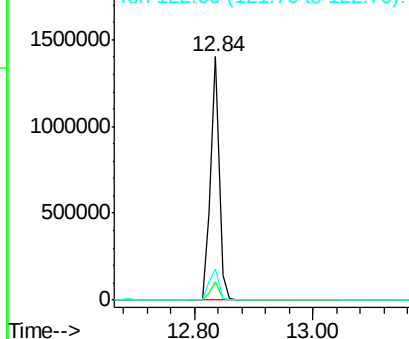


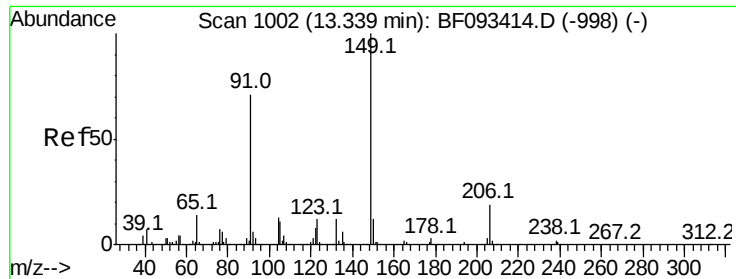
#78
Terphenyl-d14
Concen: 82.66 ng
RT: 12.84 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	12.6	11.4	17.2



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





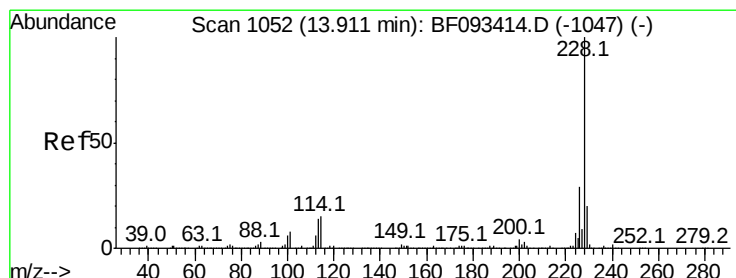
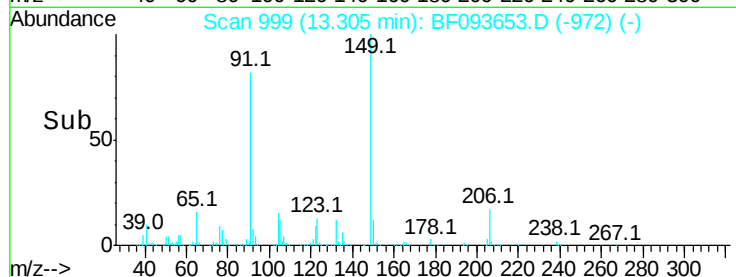
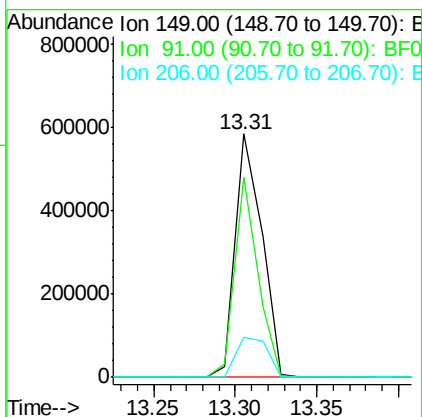
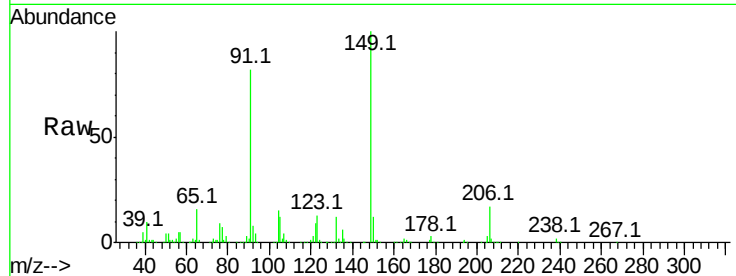
#79
Butylbenzylphthalate
Concen: 47.91 ng
RT: 13.31 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	655663		
91	82.2	63.9	95.9	
206	16.6	14.6	21.8	

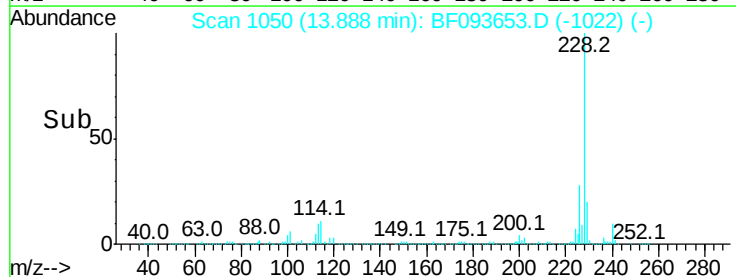
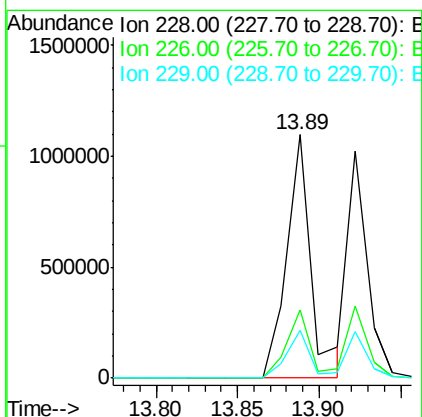
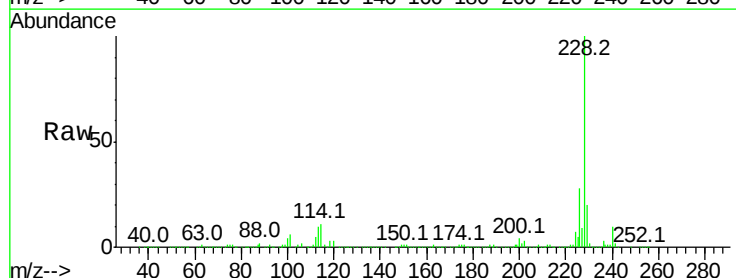
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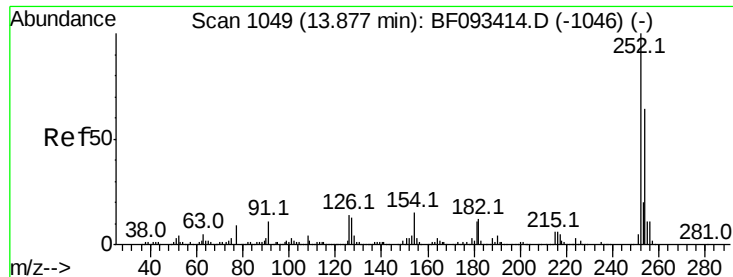
mohammad
3/15/2017 5:39:01 PM



#80
Benzo(a)anthracene
Concen: 43.37 ng
RT: 13.89 min Scan# 1050
Delta R.T. 0.02 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1144764		
226	28.2	22.4	33.6	
229	19.7	16.2	24.4	





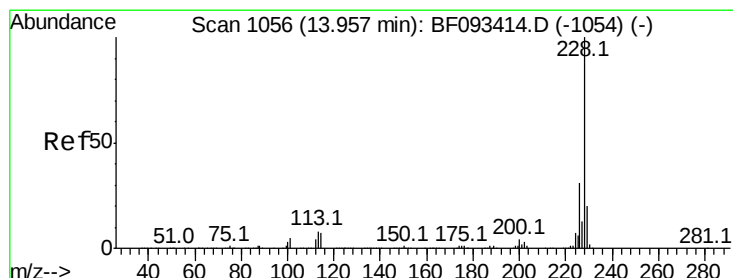
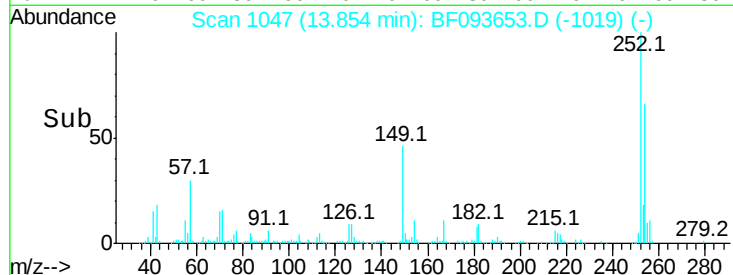
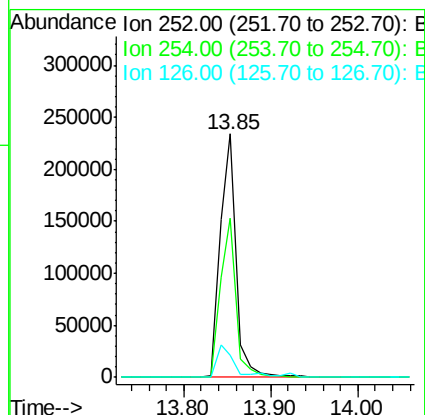
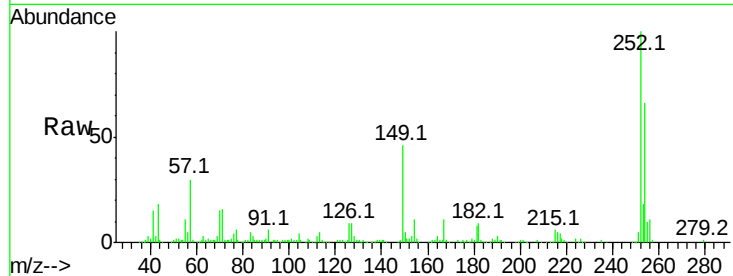
#81
 3,3'-Dichlorobenzidine
 Concen: 32.81 ng
 RT: 13.85 min Scan# 1047
 Delta R.T. 0.02 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB97542BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	65.6	52.3	78.5
126	8.9	13.6	20.4

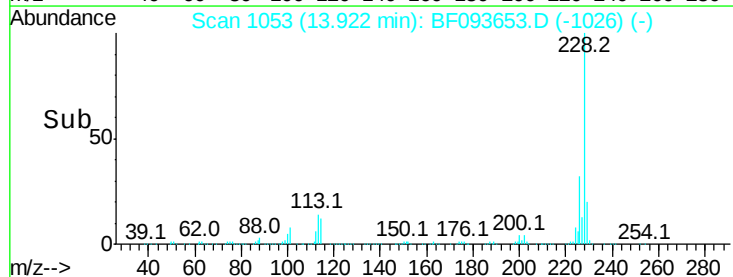
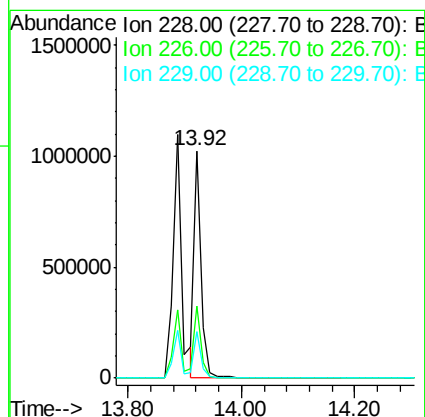
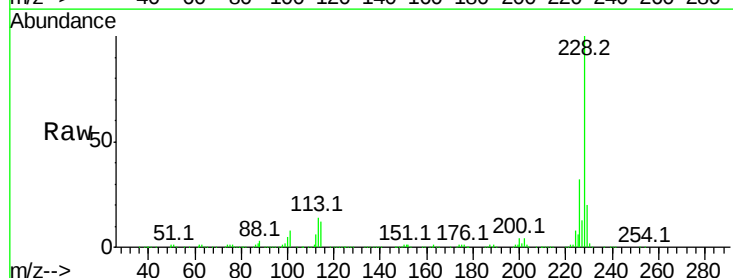
Manual Integrations
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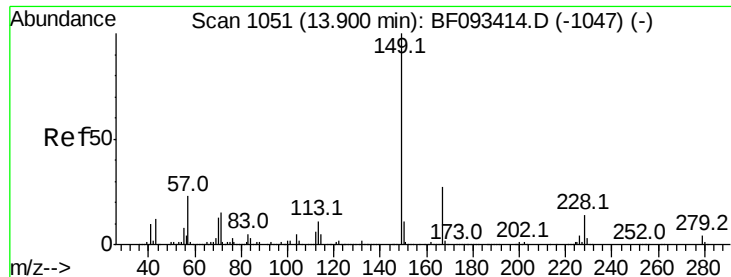
mohammad
 3/15/2017 5:39:01 PM



#82
 Chrysene
 Concen: 36.87 ng
 RT: 13.92 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.8	25.4	38.0
229	20.2	16.2	24.2





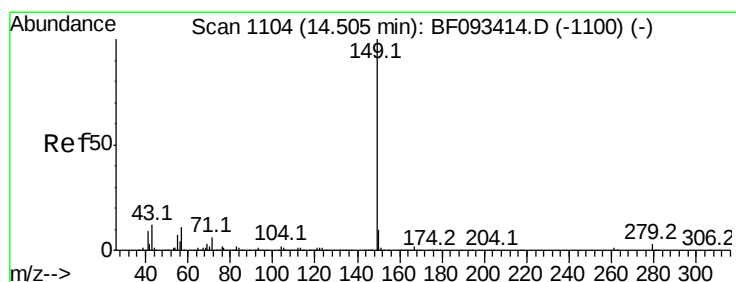
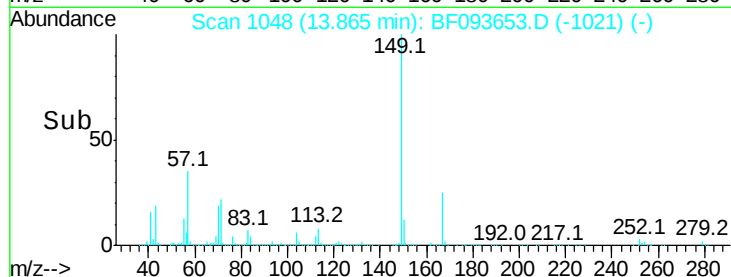
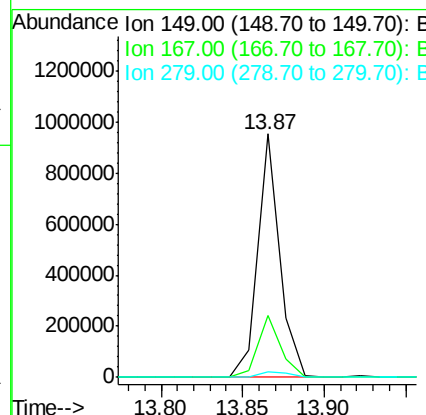
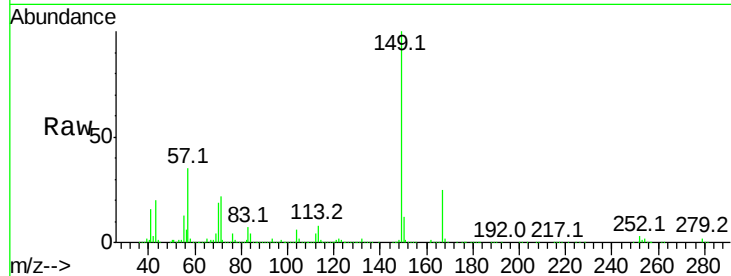
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 46.89 ng
 RT: 13.87 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB97542BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	894391		
167	25.4	20.2	30.4	
279	2.3	1.8	2.8	

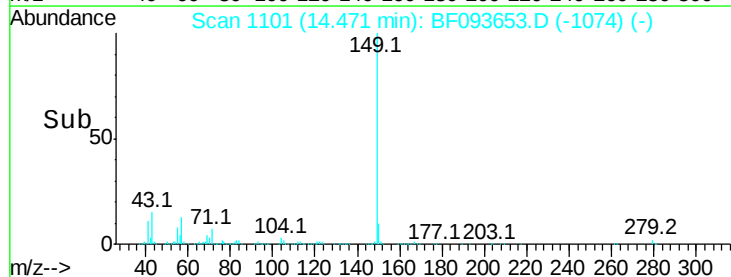
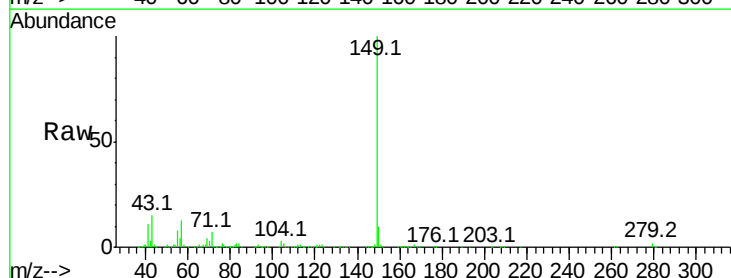
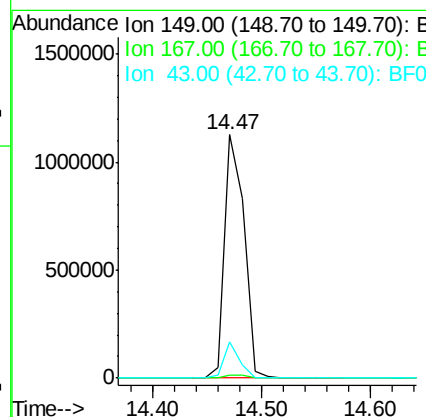
Manual Integrations
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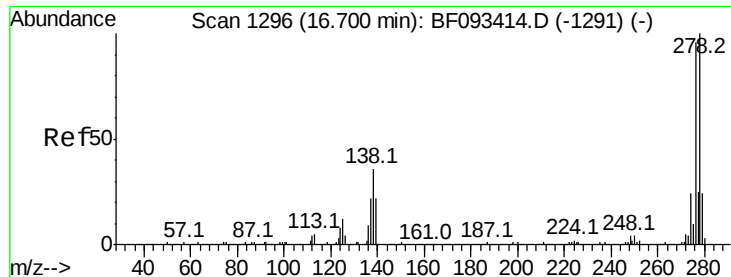
mohammad
 3/15/2017 5:39:01 PM



#84
 Di-n-octyl phthalate
 Concen: 44.31 ng
 RT: 14.47 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1408759		
167	1.5	1.3	1.9	
43	12.3	8.9	13.3	





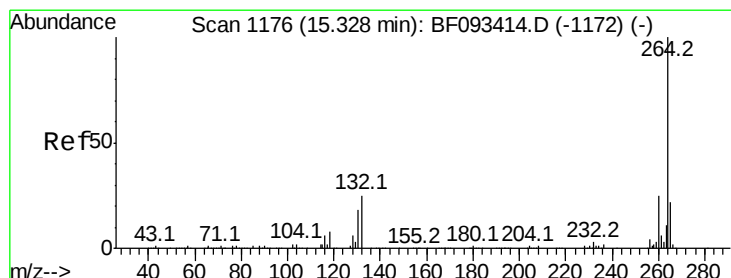
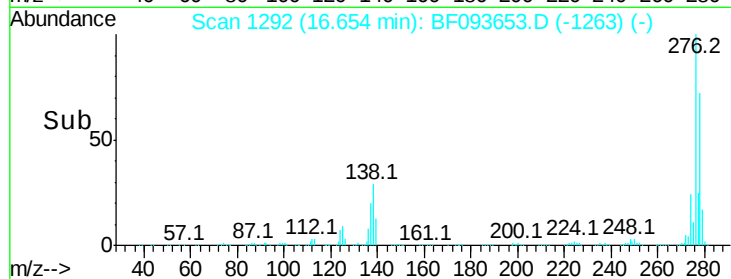
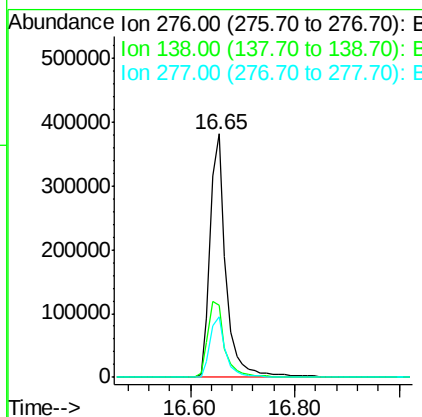
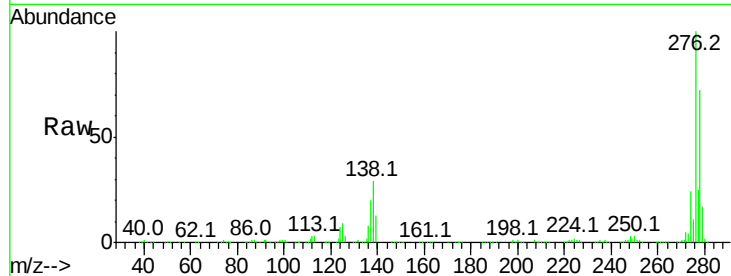
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 39.30 ng
 RT: 16.65 min Scan# 1292
 Delta R.T. 0.03 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampled :
 PB97542BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.4	21.8	32.6
277	25.3	20.2	30.4

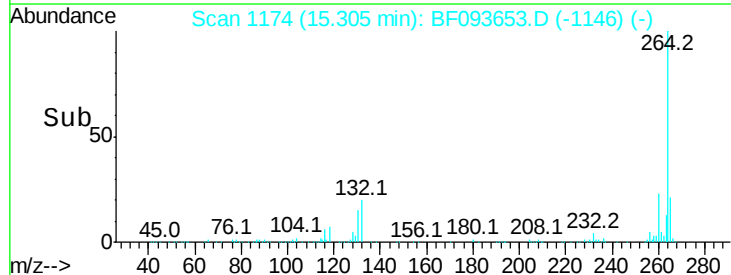
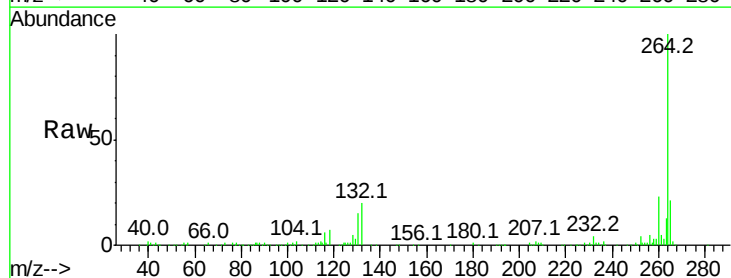
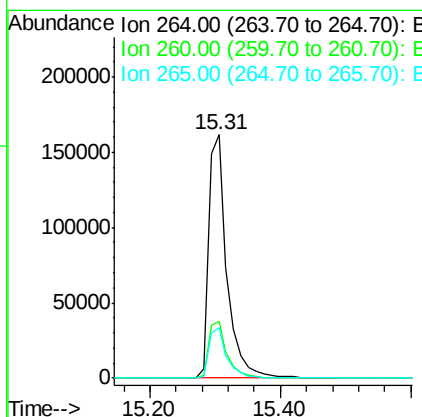
Manual Integrations
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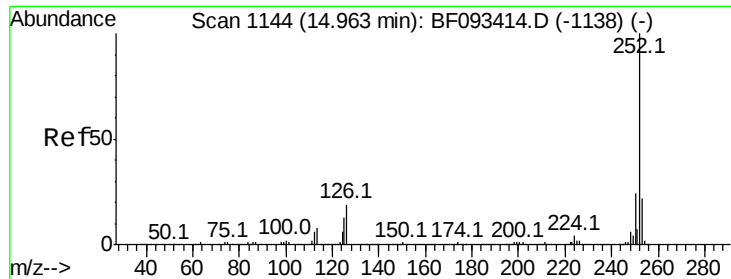
mohammad
 3/15/2017 5:39:01 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1174
 Delta R.T. 0.02 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.8	17.4	26.0





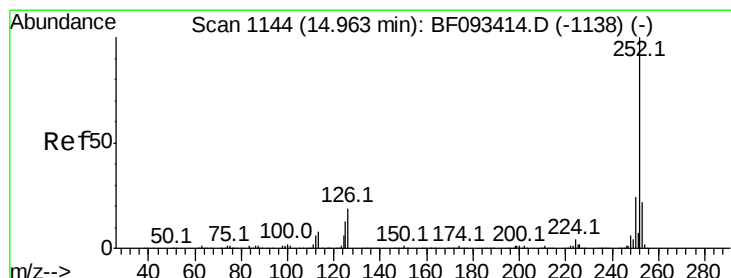
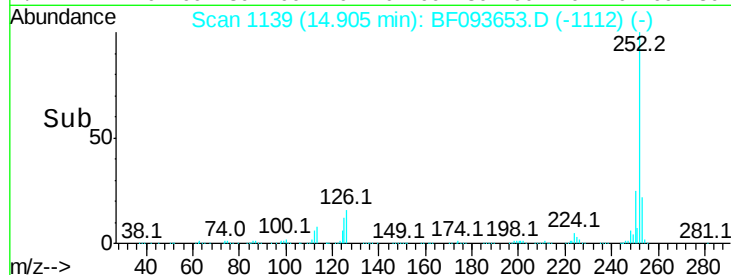
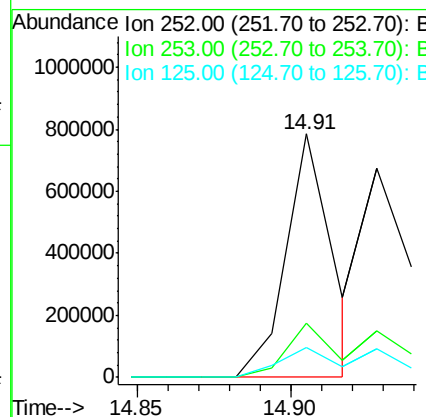
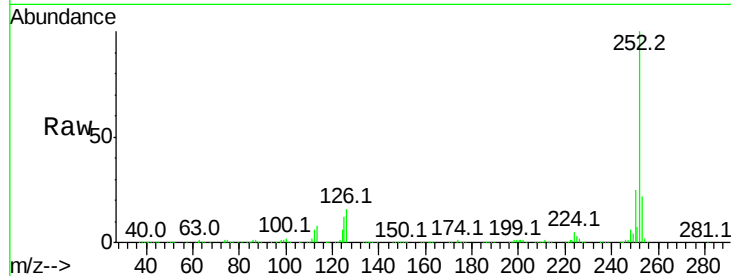
#87
Benzo(b)fluoranthene
Concen: 42.29 ng m
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampled :
PB97542BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	12.1	9.8	14.6

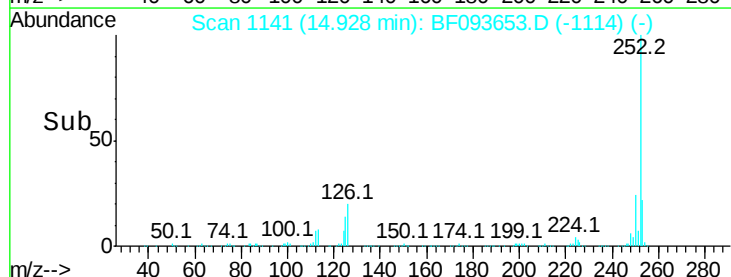
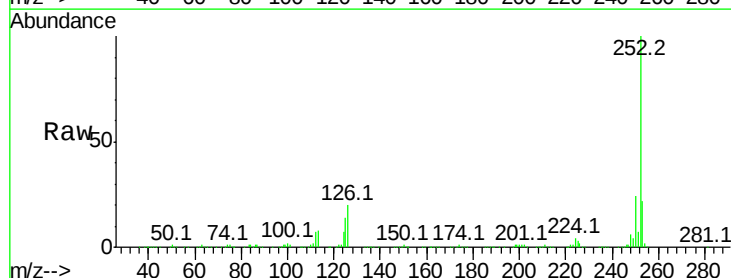
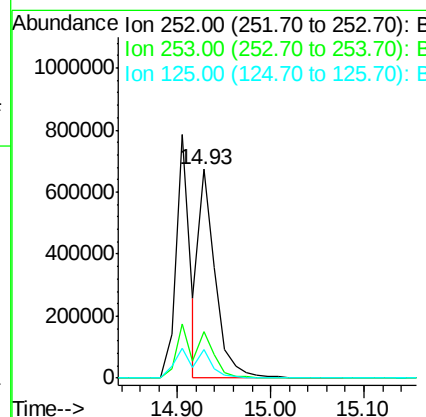
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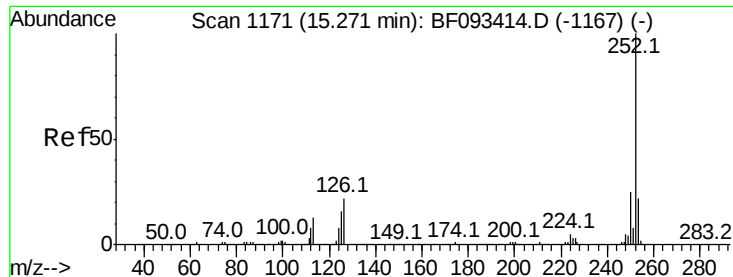
mohammad
3/15/2017 5:39:01 PM



#88
Benzo(k)fluoranthene
Concen: 44.82 ng m
RT: 14.93 min Scan# 1141
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.5	27.7
125	13.7	8.9	13.3#





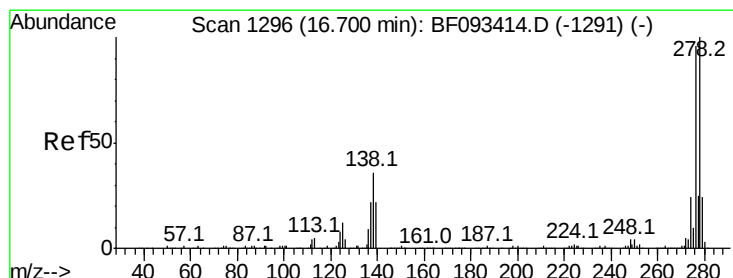
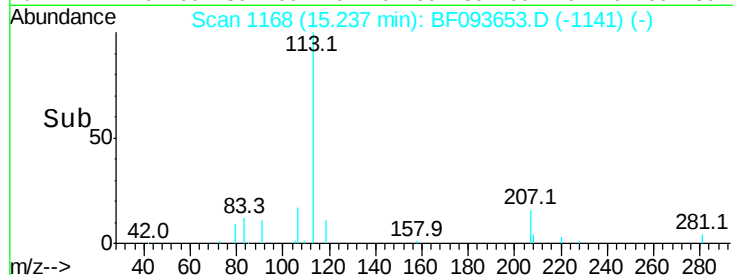
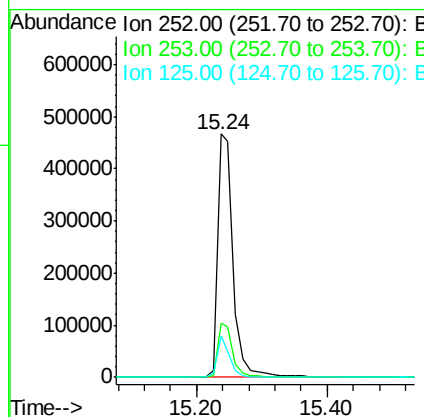
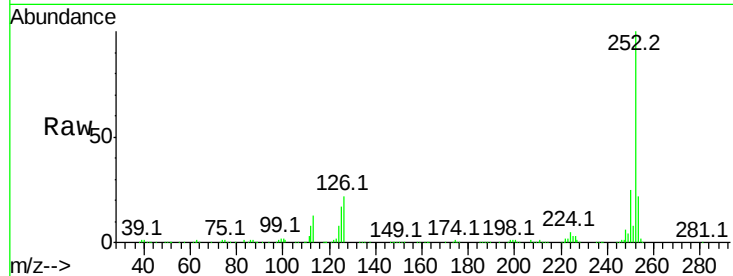
#89
Benzo(a)pyrene
Concen: 44.26 ng
RT: 15.24 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Instrument :
BNA_F
ClientSampleId :
PB97542BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	16.8	10.0	15.0

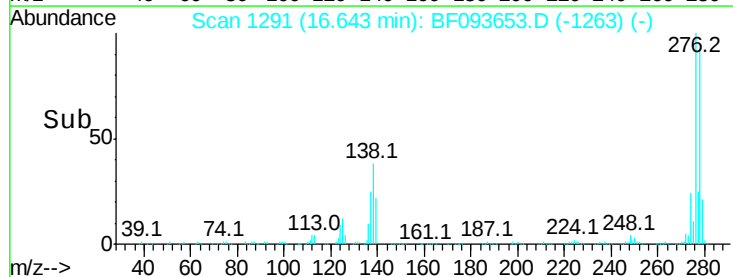
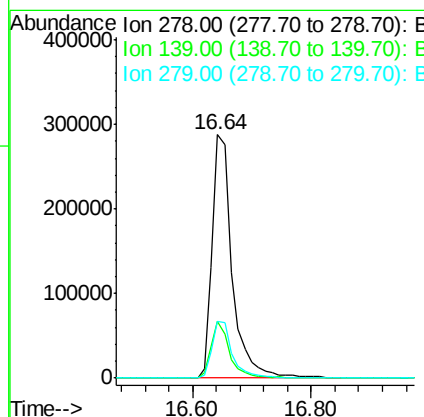
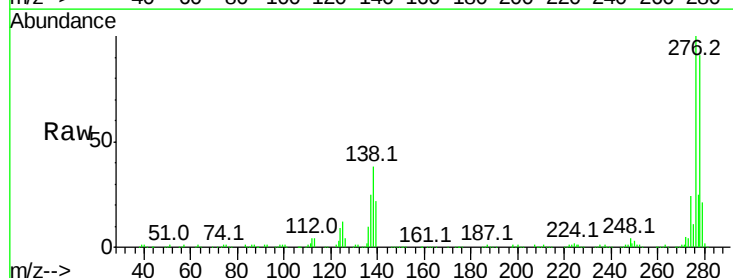
Manual Integrations
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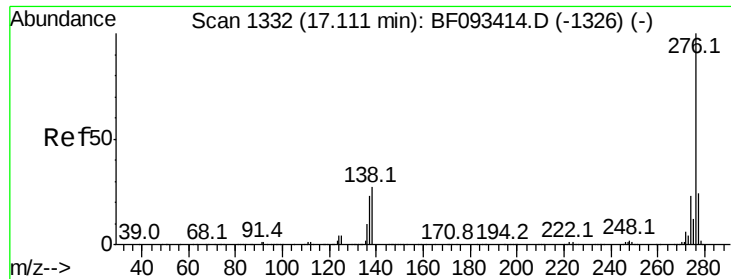
mohammad
3/15/2017 5:39:01 PM



#90
Dibenzo(a,h)anthracene
Concen: 46.81 ng
RT: 16.64 min Scan# 1291
Delta R.T. 0.02 min
Lab File: BF093653.D
Acq: 14 Mar 2017 12:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	14.8	22.2
279	23.5	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 49.04 ng
 RT: 17.05 min Scan# 1327
 Delta R.T. 0.03 min
 Lab File: BF093653.D
 Acq: 14 Mar 2017 12:40

Instrument :
 BNA_F
 ClientSampleId :
 PB97542BS

Tot Ion:	276	Resp:	730632
Ion Ratio		Lower	Upper
276	100		
277	23.7	19.2	28.8
138	28.1	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 3/15/2017 5:39:01 PM

