

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
 Data File : BF093100.D
 Acq On : 23 Feb 2017 10:39
 Operator : SJ/MA
 Sample : PB97103BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BS

Manual Integrations
 APPROVED

mohammad
 2/24/2017 1:35:26 PM

Quant Time: Feb 23 12:33:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	156010	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	646656	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	305855	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	527246	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	376085	20.00	ng	-0.02
86) Perylene-d12	15.43	264	281569	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1244943	136.90	ng	0.00
7) Phenol-d6	6.49	99	1497422	127.98	ng	0.00
23) Nitrobenzene-d5	7.41	82	897628	77.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	271611	122.78	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1594866	94.47	ng	-0.01
78) Terphenyl-d14	12.95	244	1311966	81.97	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.49	88	170004	34.60	ng	# 83
3) Pyridine	3.20	79	451452	36.13	ng	89
4) n-Nitrosodimethylamine	3.16	42	227233	38.73	ng	91
6) Aniline	6.50	93	315010	19.74	ng	# 38
8) 2-Chlorophenol	6.62	128	404666	40.34	ng	93
9) Benzaldehyde	6.38	77	203860	24.32	ng	95
10) Phenol	6.50	94	611974	44.70	ng	81
11) bis(2-Chloroethyl)ether	6.58	93	422479	38.67	ng	94
12) 1,3-Dichlorobenzene	6.78	146	458990	39.06	ng	97
13) 1,4-Dichlorobenzene	6.85	146	463848	39.00	ng	99
14) 1,2-Dichlorobenzene	7.01	146	449281	39.51	ng	97
15) Benzyl Alcohol	6.99	79	332114	38.34	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	752299	39.63	ng	94
17) 2-Methylphenol	7.10	107	342627	39.81	ng	98
18) Hexachloroethane	7.36	117	165591	40.79	ng	96
19) n-Nitroso-di-n-propylamine	7.26	70	302065	40.56	ng	99
20) 3+4-Methylphenols	7.26	107	430626	41.85	ng	94
22) Acetophenone	7.25	105	567602	38.44	ng	# 97
24) Nitrobenzene	7.44	77	497395	41.71	ng	# 89
25) Isophorone	7.68	82	862425	39.86	ng	99
26) 2-Nitrophenol	7.76	139	236583	41.74	ng	# 78
27) 2,4-Dimethylphenol	7.79	122	376181	37.79	ng	98
28) bis(2-Chloroethoxy)methane	7.88	93	518042	36.15	ng	98
29) 2,4-Dichlorophenol	8.00	162	389216	41.92	ng	94
30) 1,2,4-Trichlorobenzene	8.08	180	389815	38.96	ng	98
31) Naphthalene	8.16	128	1228517	37.48	ng	99
32) Benzoic acid	7.94	122	207099	38.40	ng	89
33) 4-Chloroaniline	8.20	127	129561	10.08	ng	95
34) Hexachlorobutadiene	8.27	225	205982	37.42	ng	99
35) Caprolactam	8.58	113	126944m	43.47	ng	
36) 4-Chloro-3-methylphenol	8.69	107	368181	38.04	ng	97
37) 2-Methylnaphthalene	8.84	142	800934	38.05	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	368808	42.96	ng	98
40) Hexachlorocyclopentadiene	8.99	237	262908	67.87	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.13	196	259356	45.97	nq	94
43) 2,4,5-Trichlorophenol	9.17	196	242803	39.28	nq	# 81
45) 1,1'-Biphenyl	9.31	154	963618	43.51	nq	99
46) 2-Chloronaphthalene	9.33	162	781802	45.12	nq	97
47) 2-Nitroaniline	9.42	65	244861	42.04	nq	88
48) Acenaphthylene	9.74	152	1205668	40.28	nq	99
49) Dimethylphthalate	9.61	163	837824	40.67	nq	98
50) 2,6-Dinitrotoluene	9.68	165	215925	48.53	nq	88
51) Acenaphthene	9.92	154	713813	39.89	nq	97
52) 3-Nitroaniline	9.84	138	99398	19.52	nq	91
53) 2,4-Dinitrophenol	9.95	184	166961	74.14	nq	# 53
54) Dibenzofuran	10.09	168	1022521	42.72	nq	95
55) 4-Nitrophenol	10.02	139	313544	85.50	nq	84
56) 2,4-Dinitrotoluene	10.08	165	226355	38.21	nq	94
57) Fluorene	10.43	166	823970	44.75	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.21	232	190743	46.26	nq	96
59) Diethylphthalate	10.30	149	807749	41.60	nq	99
60) 4-Chlorophenyl-phenylether	10.42	204	355614	40.20	nq	89
61) 4-Nitroaniline	10.45	138	182770	35.05	nq	92
62) Azobenzene	10.58	77	965719	48.15	nq	96
64) 4,6-Dinitro-2-methylphenol	10.49	198	140842	44.11	nq	82
65) n-Nitrosodiphenylamine	10.54	169	730304	43.36	nq	99
66) 4-Bromophenyl-phenylether	10.91	248	224523	40.76	nq	# 84
67) Hexachlorobenzene	10.98	284	213324	39.19	nq	# 87
68) Atrazine	11.07	200	243457	45.04	nq	98
69) Pentachlorophenol	11.17	266	221963	79.08	nq	95
70) Phenanthrene	11.39	178	1208981	40.02	nq	98
71) Anthracene	11.44	178	1115232	36.76	nq	99
72) Carbazole	11.60	167	1102803	38.03	nq	98
73) Di-n-butylphthalate	11.93	149	1323734	42.21	nq	# 96
74) Fluoranthene	12.57	202	1050500	33.72	nq	98
76) Benzidine	12.69	184	348303	21.73	nq	97
77) Pyrene	12.80	202	1044980	37.13	nq	99
79) Butylbenzylphthalate	13.41	149	514161	44.99	nq	95
80) Benzo(a)anthracene	13.99	228	788013	34.26	nq	99
81) 3,3'-Dichlorobenzidine	13.95	252	191347	23.34	nq	# 95
82) Chrysene	14.02	228	695888	32.31	nq	99
83) Bis(2-ethylhexyl)phthalate	13.97	149	699744	44.77	nq	# 98
84) Di-n-octyl phthalate	14.58	149	1089741	42.81	nq	100
85) Indeno(1,2,3-cd)pyrene	16.82	276	730683	43.80	nq	# 93
87) Benzo(b)fluoranthene	15.01	252	655257m	35.36	nq	
88) Benzo(k)fluoranthene	15.04	252	617456m	38.59	nq	
89) Benzo(a)pyrene	15.36	252	631147	39.37	nq	# 95
90) Dibenzo(a,h)anthracene	16.83	278	607067	46.85	nq	97
91) Benzo(g,h,i)perylene	17.24	276	638086	48.75	nq	# 92

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

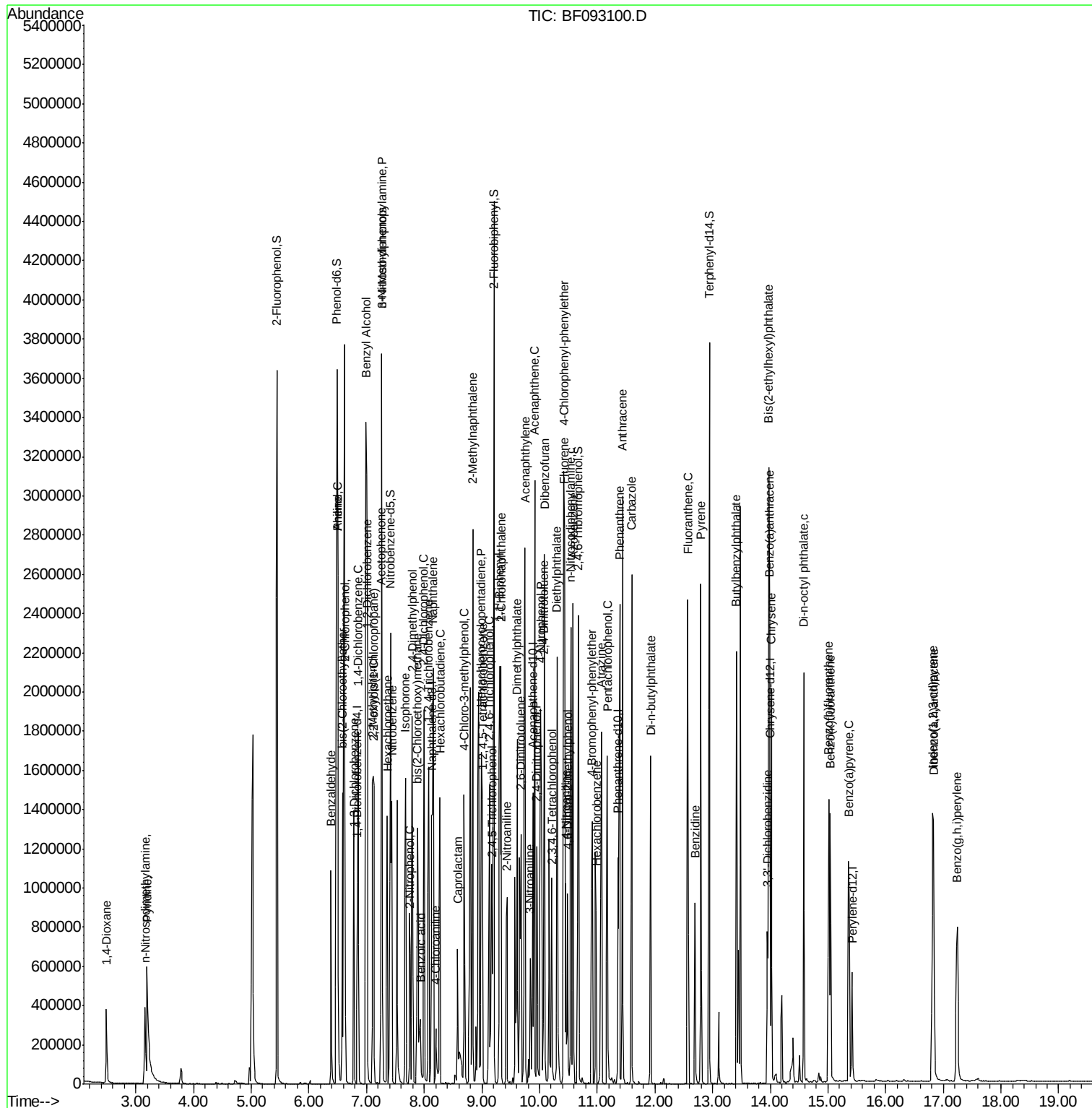
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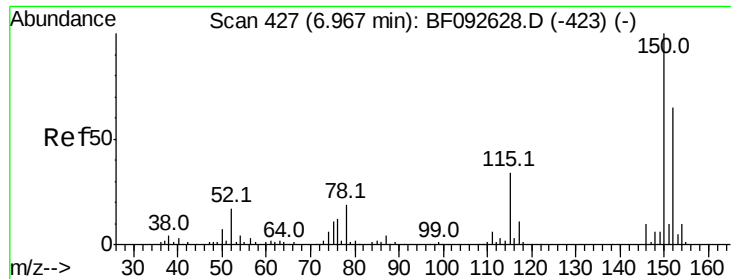
Instrument :
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#1

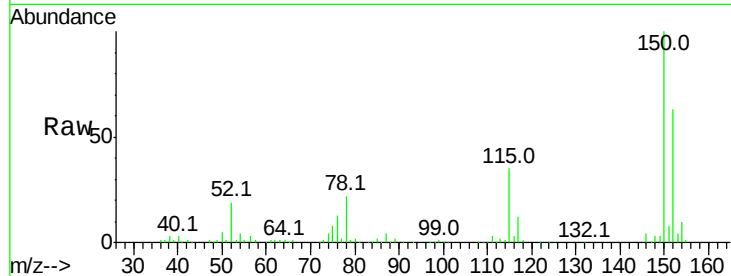
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

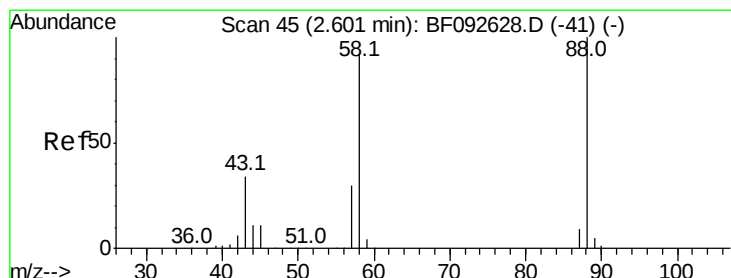
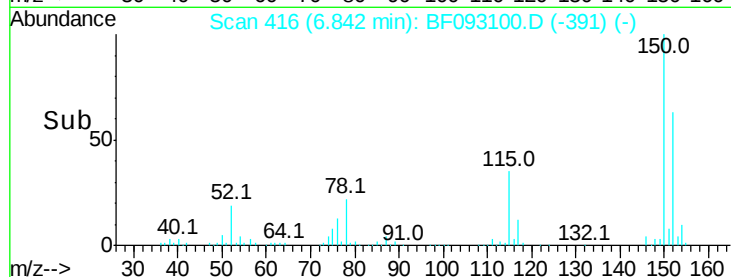
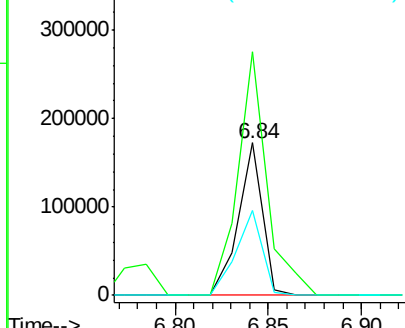
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	124.9	187.3
115	56.0	46.0	69.0

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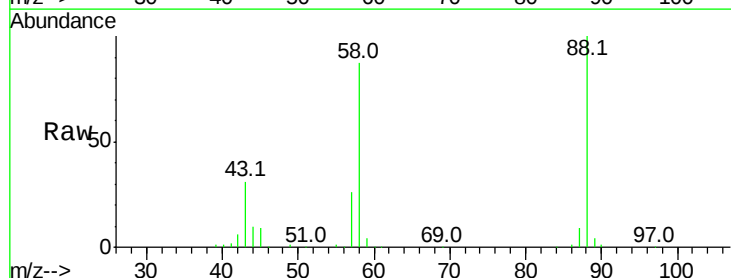
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



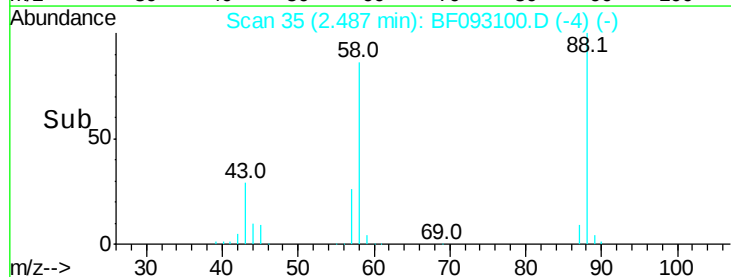
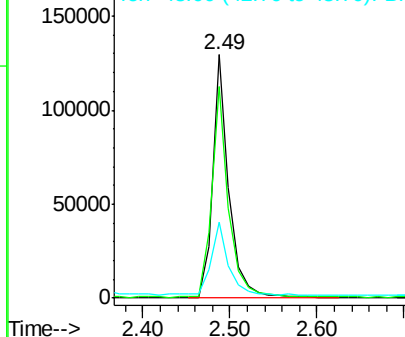
#2

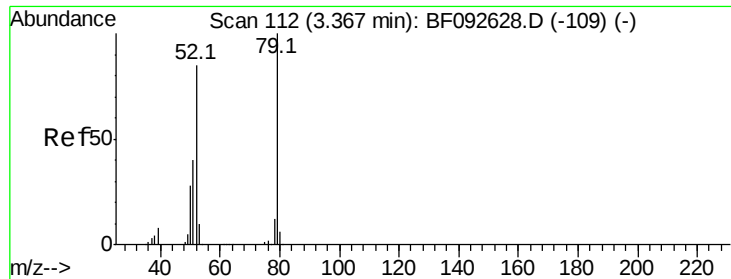
1,4-Dioxane
Concen: 34.60 ng
RT: 2.49 min Scan# 35
Delta R.T. 0.06 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	90.0	57.8	86.8#
43	31.2	22.3	33.5



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





#3

Pvridine

Concen: 36.13 ng

RT: 3.20 min Scan# 97

Delta R.T. 0.05 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

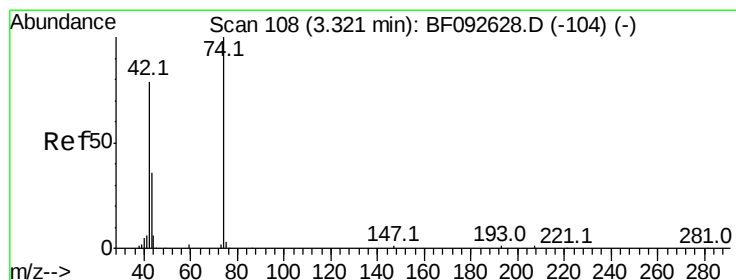
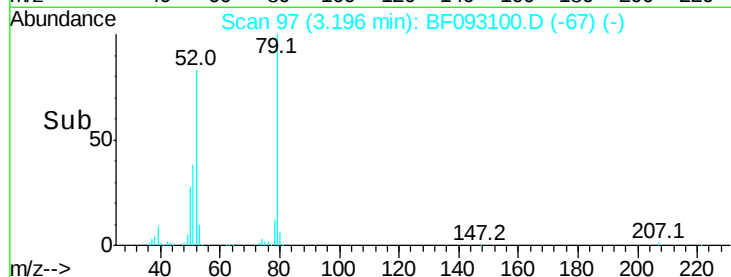
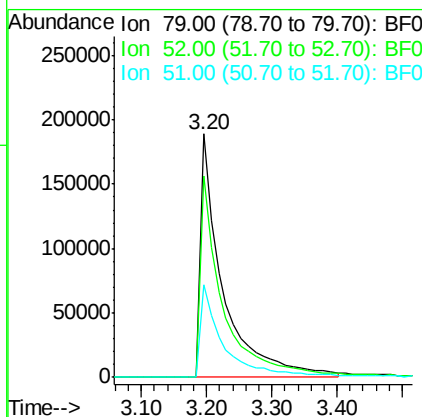
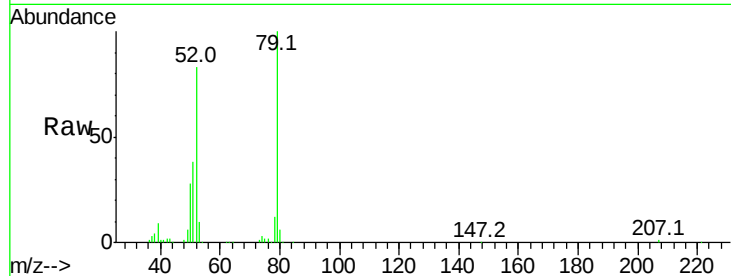
ClientSampleId :

PB97103BS

Tot Ion:	79	Resp:	451452
Ion Ratio	Lower	Upper	
79	100		
52	82.6	57.1	85.7
51	38.1	27.3	40.9

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#4

n-Nitrosodimethylamine

Concen: 38.73 ng

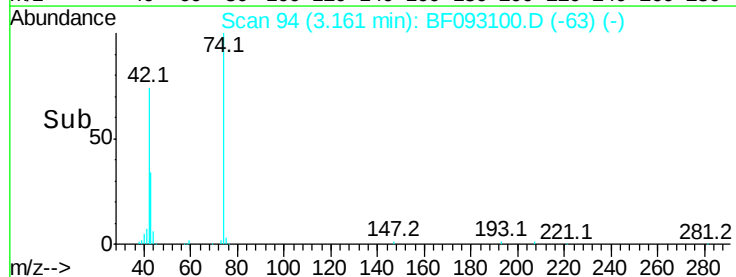
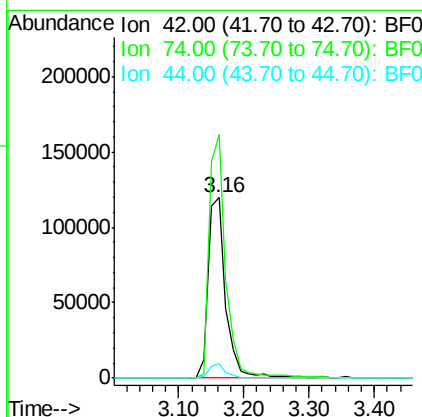
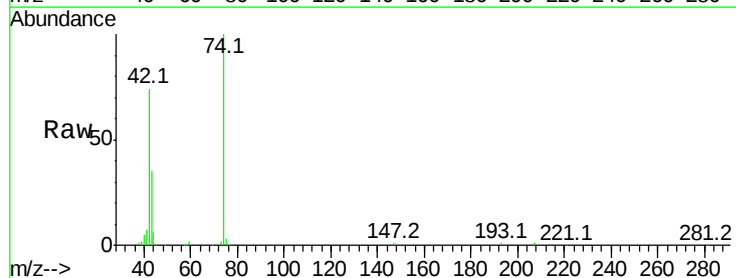
RT: 3.16 min Scan# 94

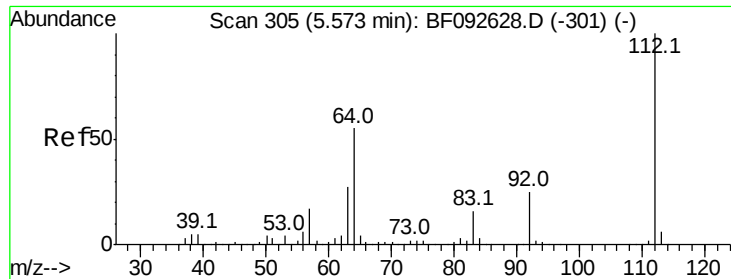
Delta R.T. 0.06 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion:	42	Resp:	227233
Ion Ratio	Lower	Upper	
42	100		
74	135.0	117.0	175.4
44	8.2	5.5	8.3





#5

2-Fluorophenol

Concen: 136.90 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.00 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

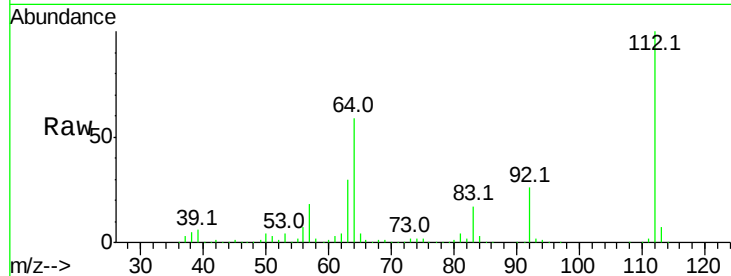
ClientSampleId :

PB97103BS

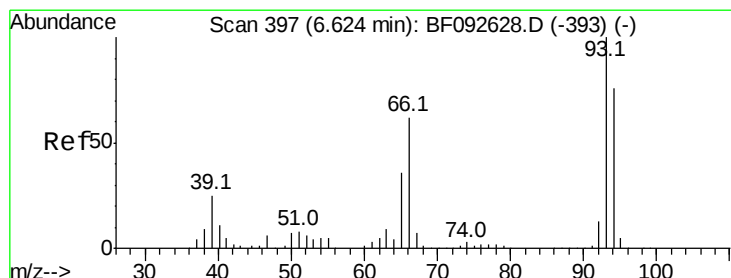
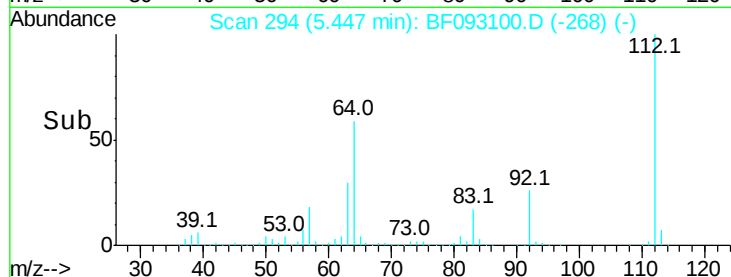
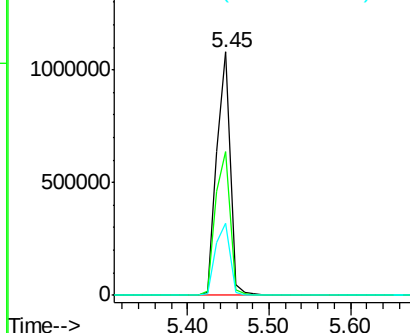
Tot Ion:	112	Resp:	1244943
Ion Ratio	Lower	Upper	
112	100		
64	59.2	46.1	69.1
63	29.6	23.8	35.6

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Abundance Ion 112.00 (111.70 to 112.70): BF0
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.74 ng

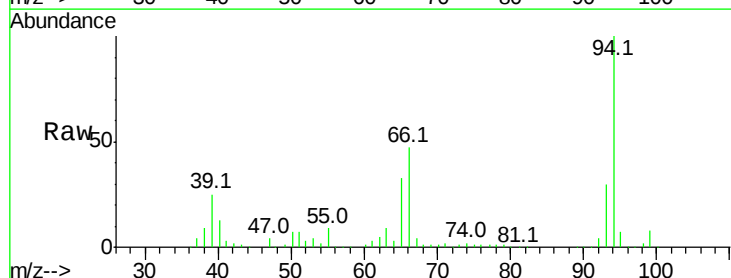
RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

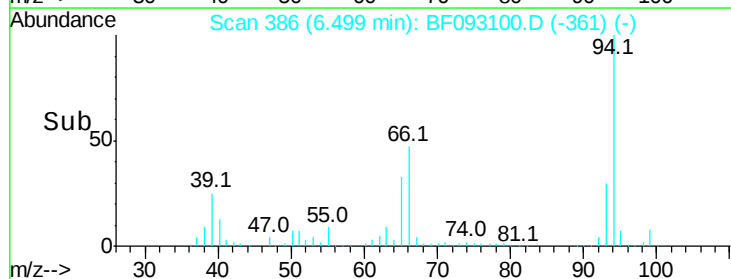
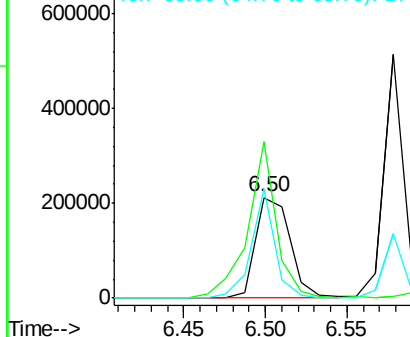
Lab File: BF093100.D

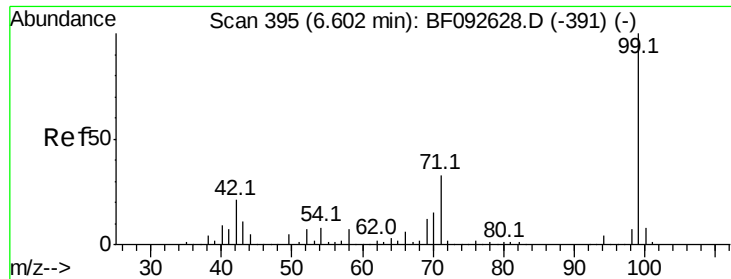
Acq: 23 Feb 2017 10:39

Tgt Ion:	93	Resp:	315010
Ion Ratio	Lower	Upper	
93	100		
66	156.2	76.2	114.2#
65	109.0	49.3	73.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 127.98 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF093100.D

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Instrument :

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ClientSampleId :

PB97103BS

Tot Ion: 99 Resp: 1497422

Ion Ratio Lower Upper

99 100

42 19.0 15.6 23.4

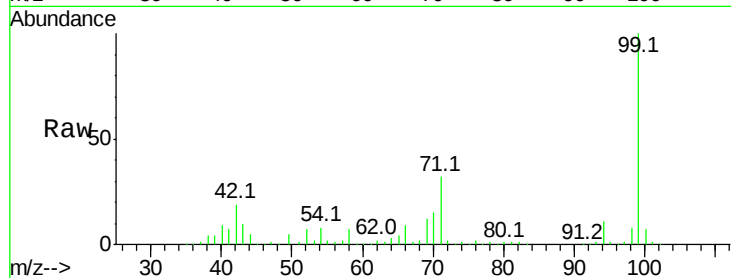
71 31.9 27.5 41.3

Manual Integrations

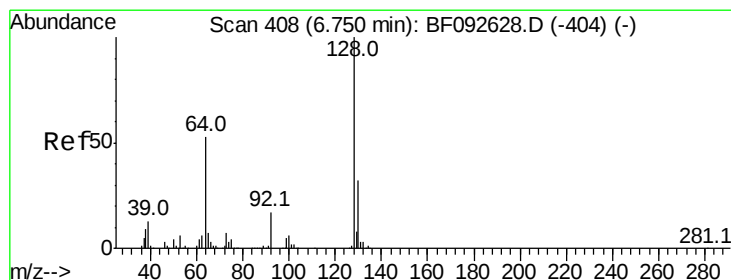
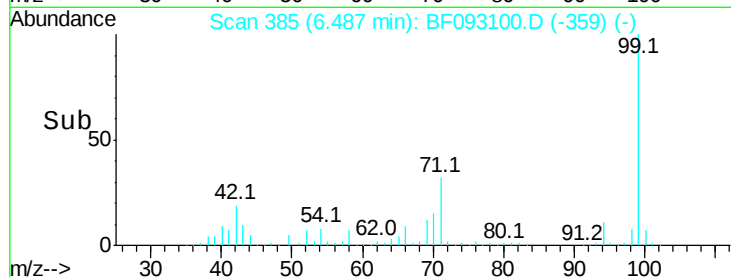
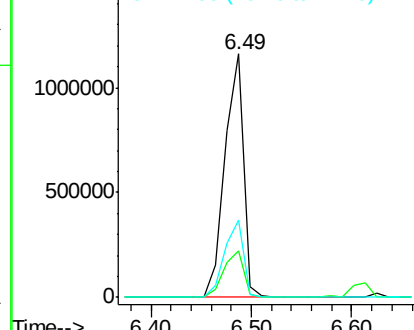
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 40.34 ng

RT: 6.62 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

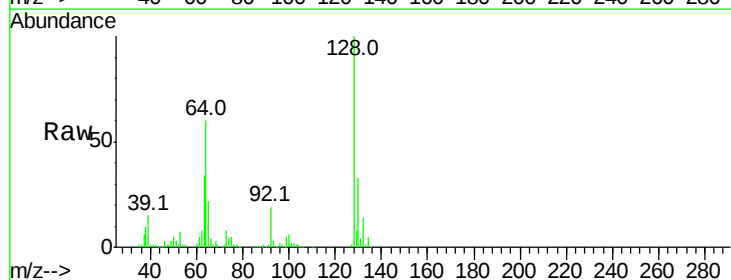
Tgt Ion:128 Resp: 404666

Ion Ratio Lower Upper

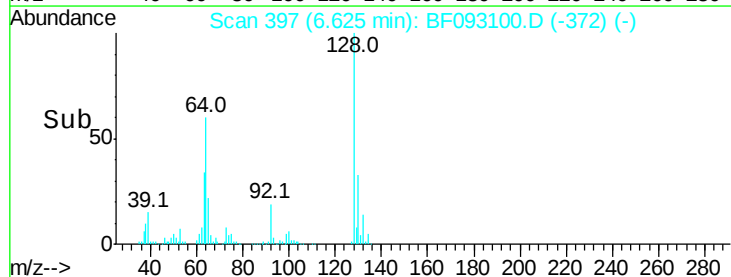
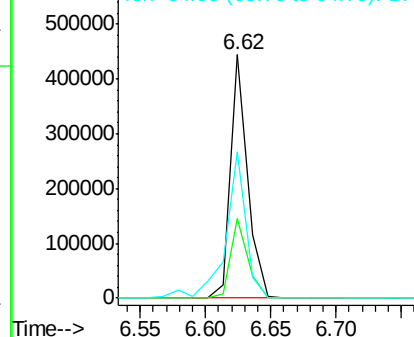
128 100

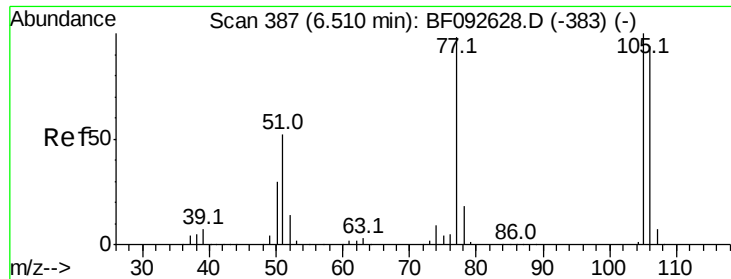
130 32.6 12.3 52.3

64 60.0 32.2 72.2



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





#9

Benzaldehyde

Concen: 24.32 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

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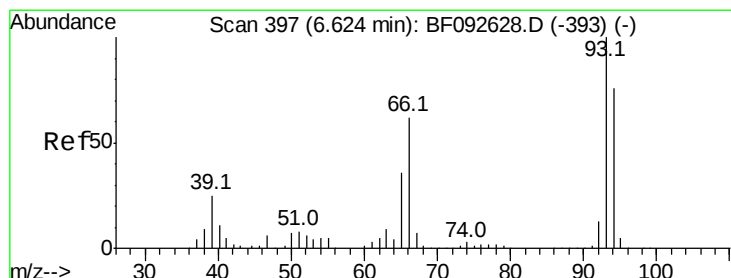
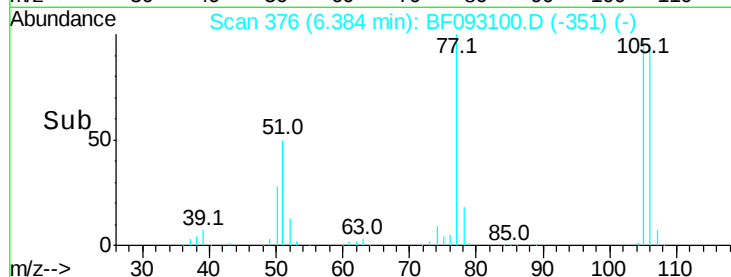
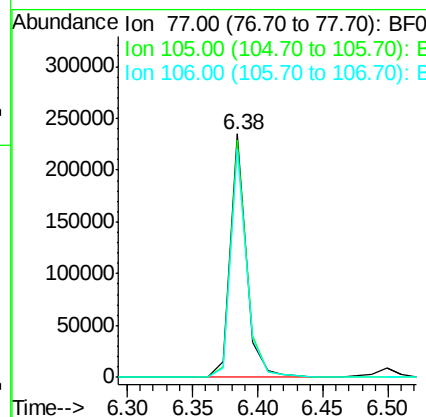
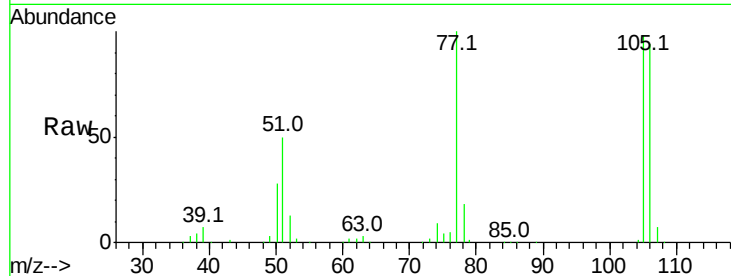
ClientSampleId :

PB97103BS

Tot Ion:	77	Resp:	203860
Ion Ratio	Lower	Upper	
77	100		
105	97.6	83.9	123.9
106	93.8	77.6	117.6

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#10

Phenol

Concen: 44.70 ng

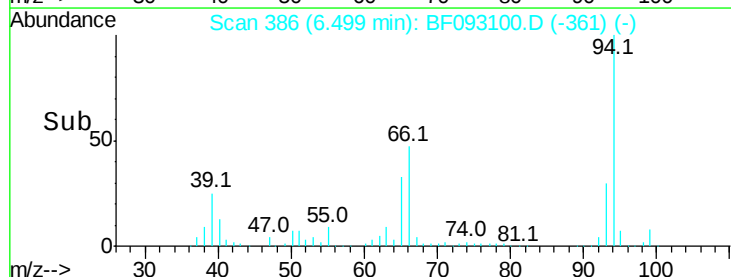
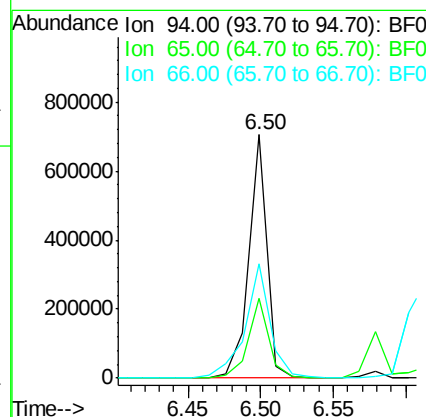
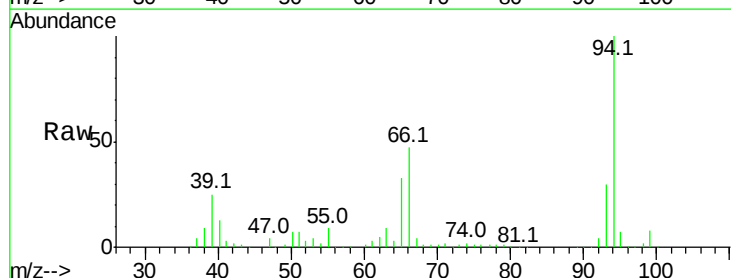
RT: 6.50 min Scan# 386

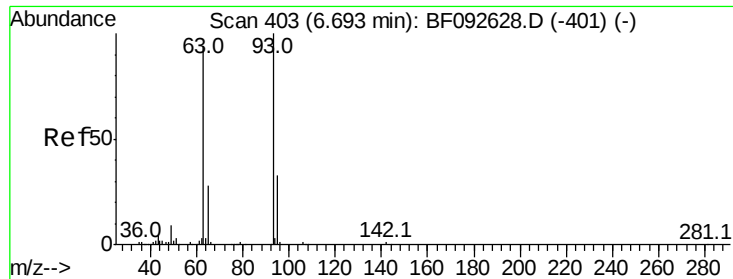
Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion:	94	Resp:	611974
Ion Ratio	Lower	Upper	
94	100		
65	32.7	21.4	61.4
66	46.8	44.0	84.0





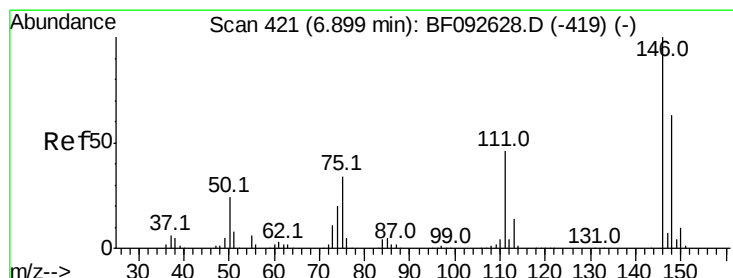
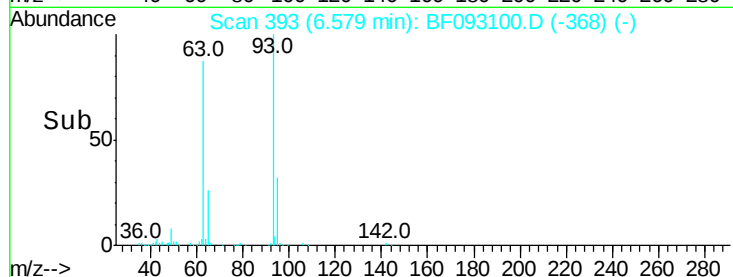
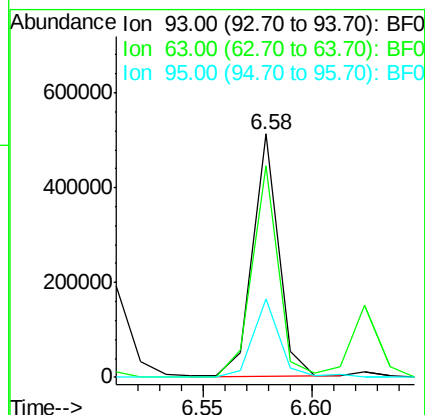
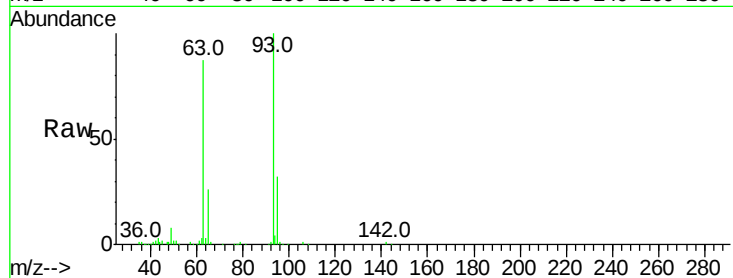
#11
bis(2-Chloroethyl)ether
Concen: 38.67 ng
RT: 6.58 min Scan# 393
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	86.9	60.4	100.4
95	32.0	12.8	52.8

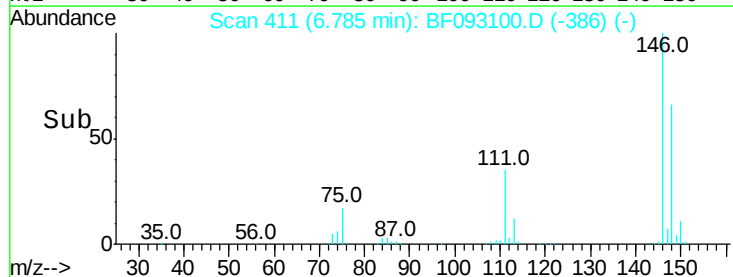
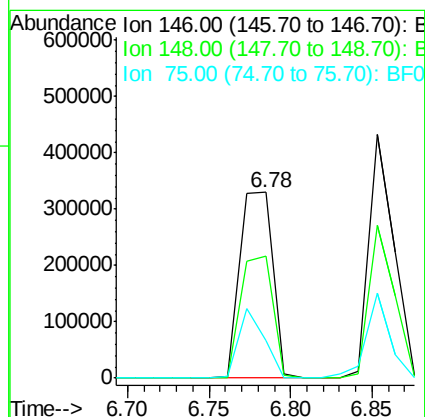
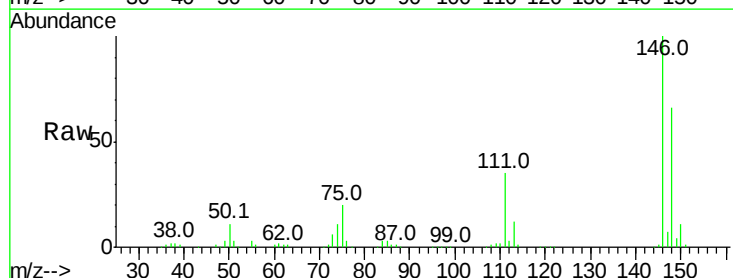
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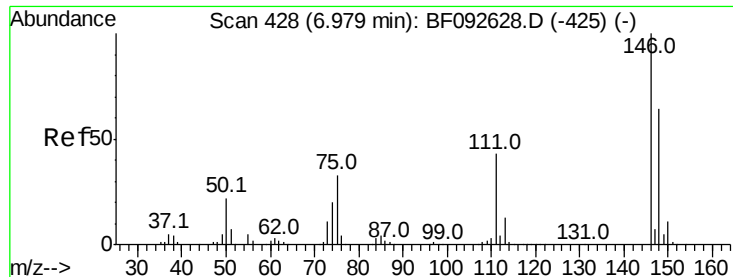
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#12
1,3-Dichlorobenzene
Concen: 39.06 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	53.4	80.0
75	19.9	18.5	27.7





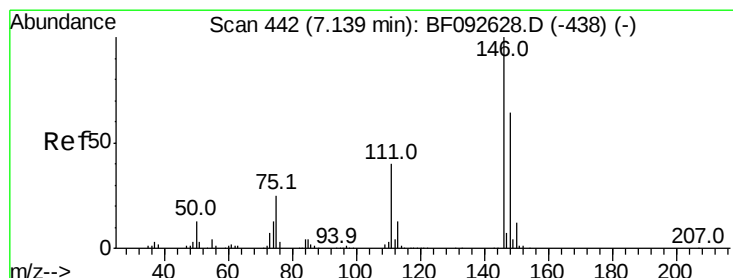
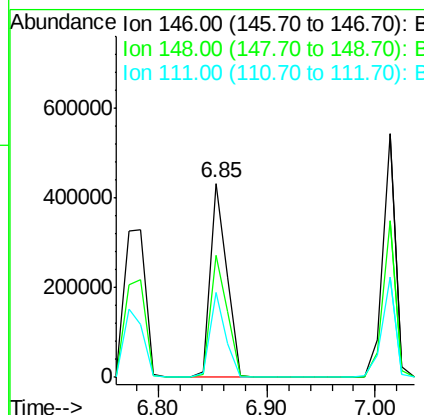
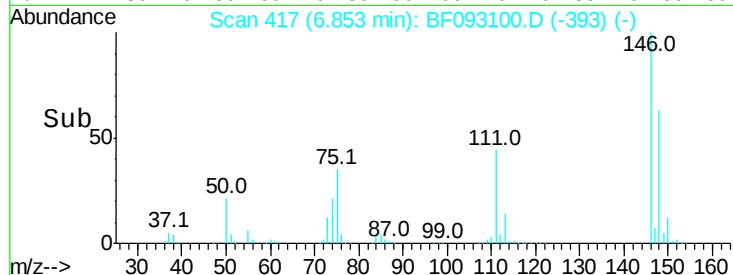
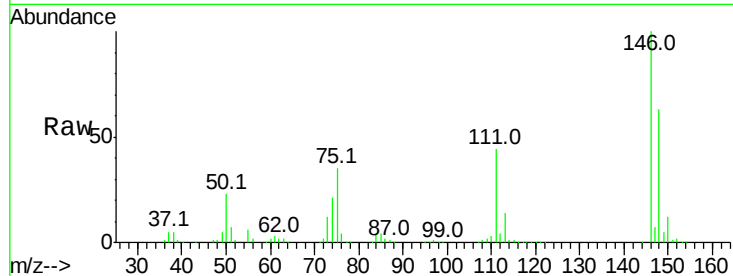
#13
 1,4-Dichlorobenzene
 Concen: 39.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.02 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.6	76.0
111	43.7	36.2	54.4

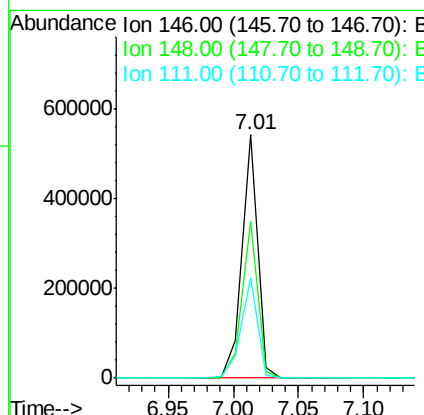
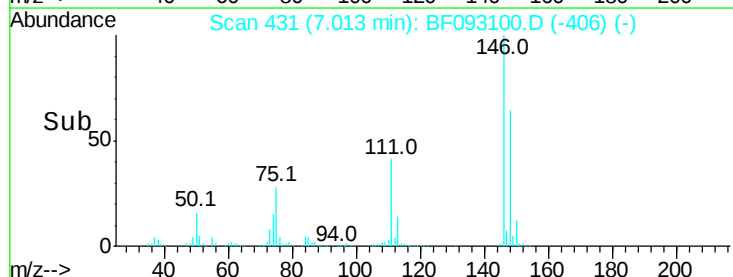
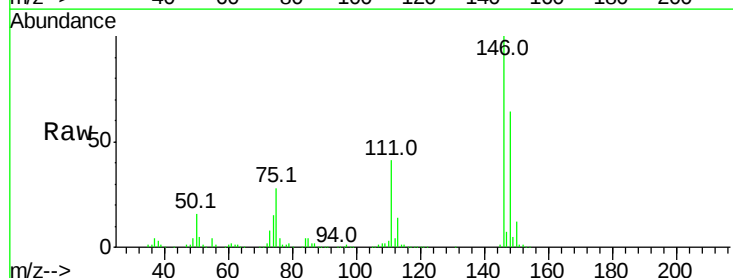
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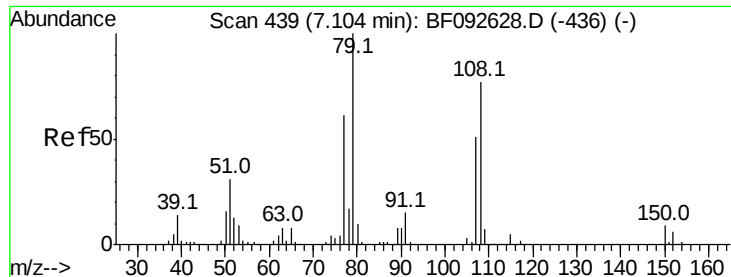
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#14
 1,2-Dichlorobenzene
 Concen: 39.51 ng
 RT: 7.01 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.2
111	41.1	36.2	54.2





#15

Benzyl Alcohol

Concen: 38.34 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

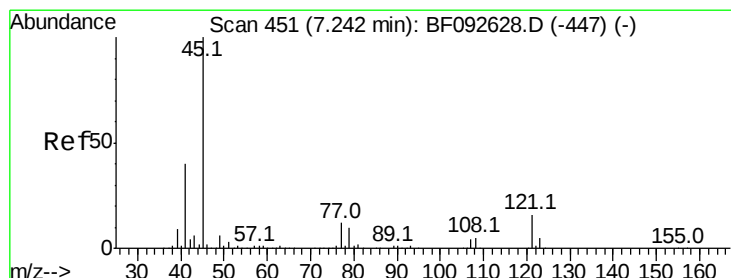
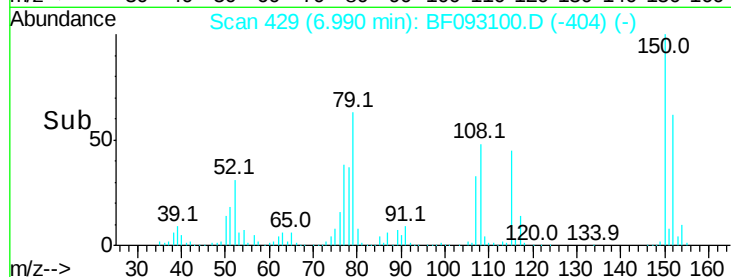
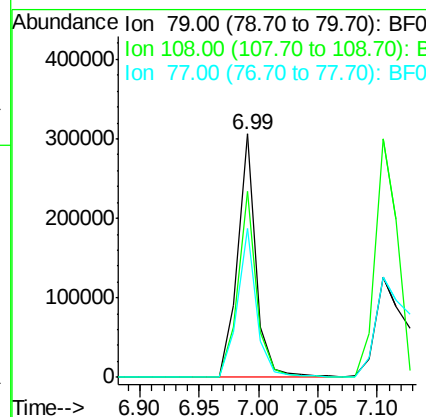
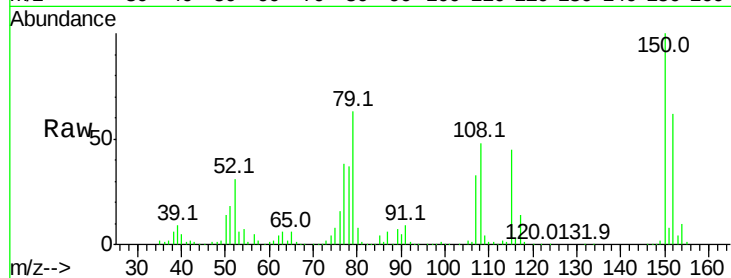
ClientSampleId :

PB97103BS

Tot Ion:	79	Resp:	332114
Ion Ratio	Lower	Upper	
79	100		
108	76.3	61.4	92.0
77	60.9	50.9	76.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.63 ng

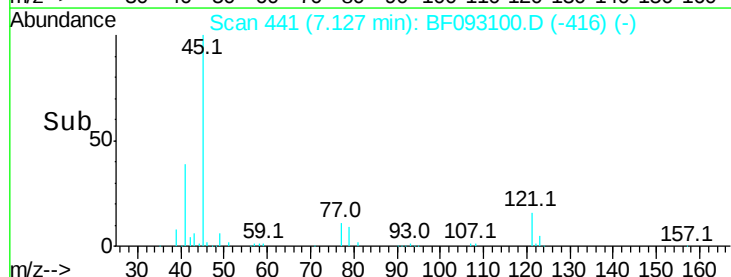
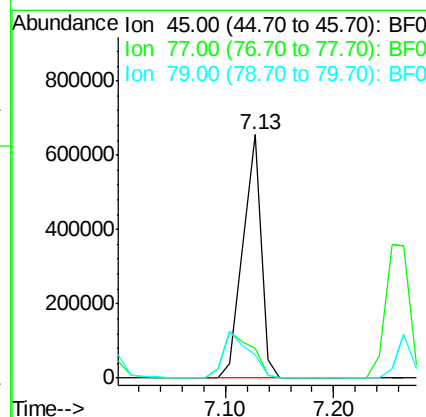
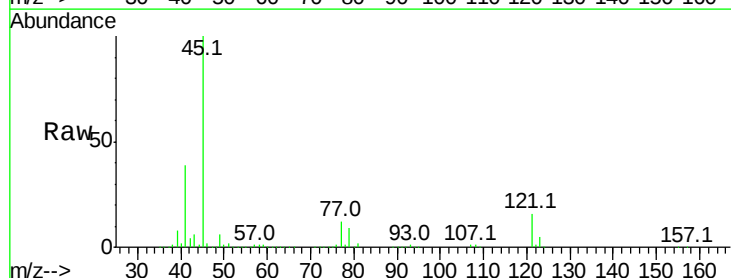
RT: 7.13 min Scan# 441

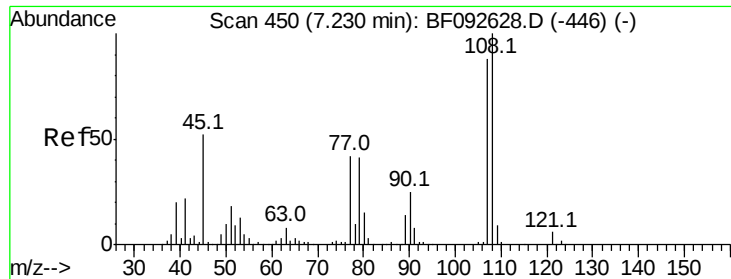
Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion:	45	Resp:	752299
Ion Ratio	Lower	Upper	
45	100		
77	12.1	0.0	34.6
79	9.4	0.0	31.2





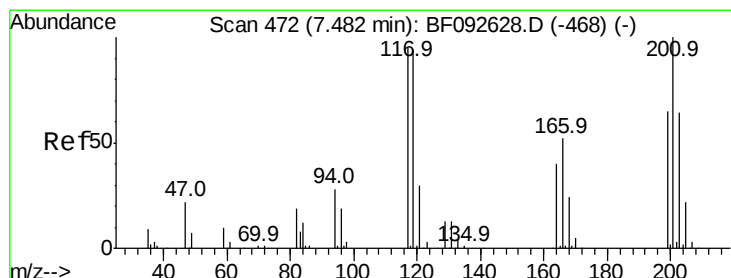
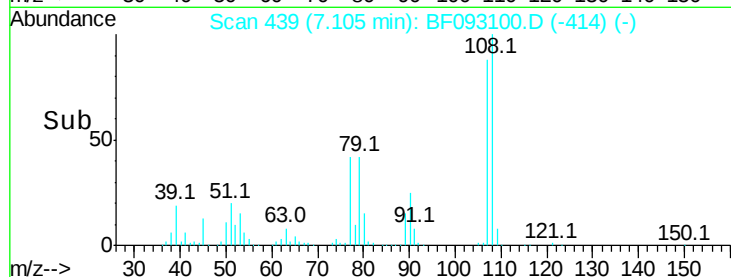
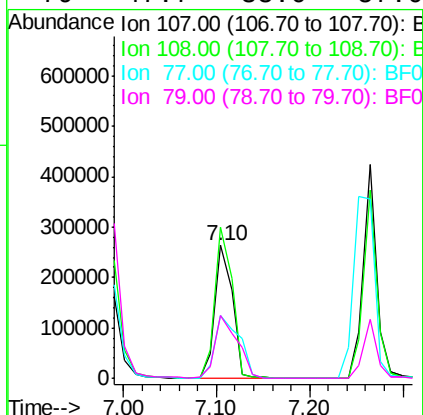
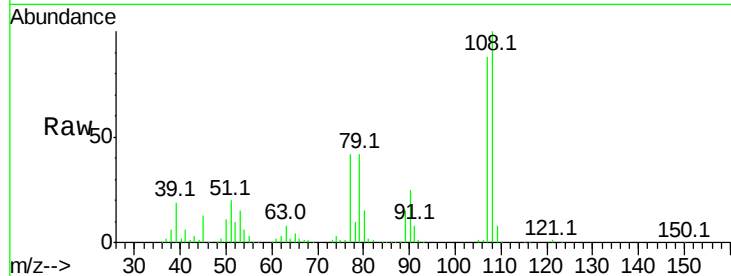
#17
2-Methylphenol
Concen: 39.81 ng
RT: 7.10 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	107	Resp	342627
Ion Ratio	Lower	Upper	
107	100		
108	114.0	93.0	139.6
77	47.7	39.8	59.8
79	47.7	38.0	57.0

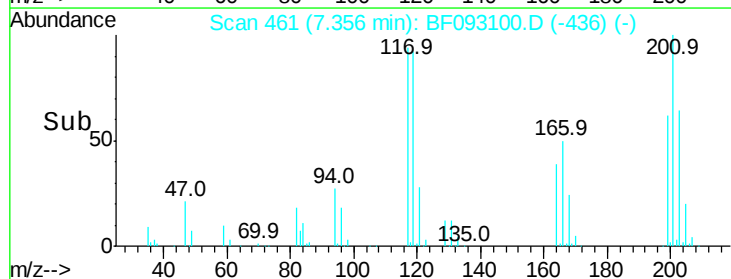
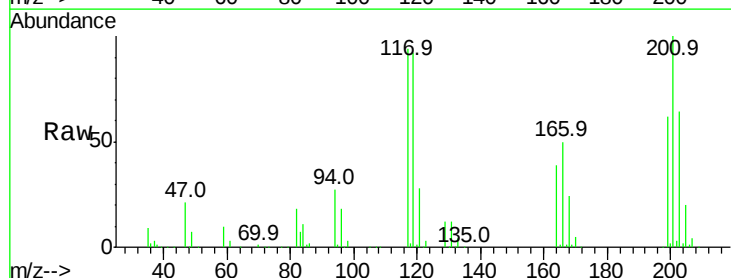
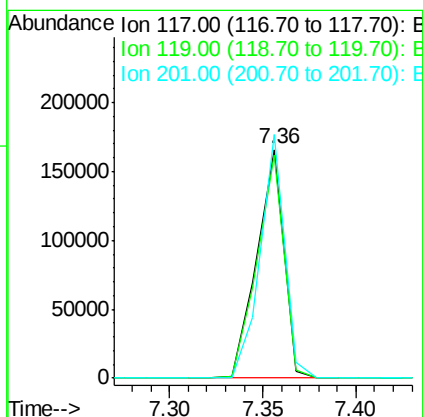
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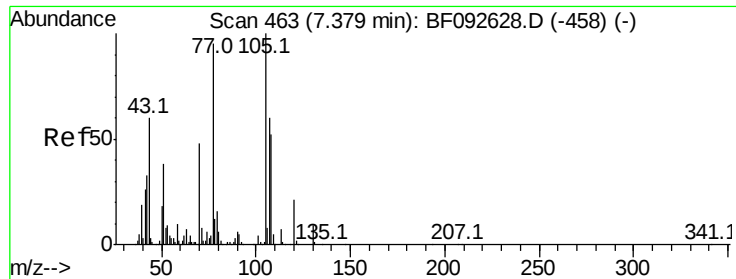
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#18
Hexachloroethane
Concen: 40.79 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	117	Resp	165591
Ion Ratio	Lower	Upper	
117	100		
119	97.6	78.1	117.1
201	106.6	78.6	117.8





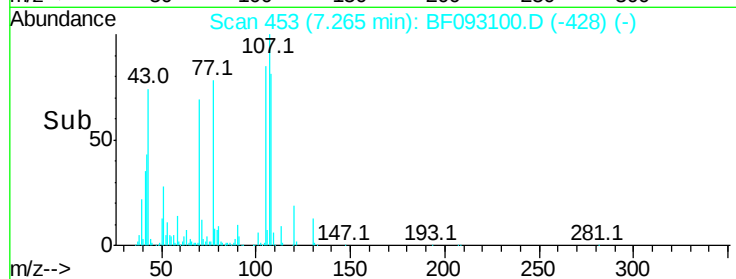
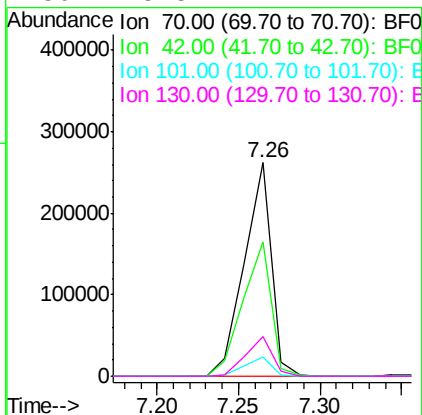
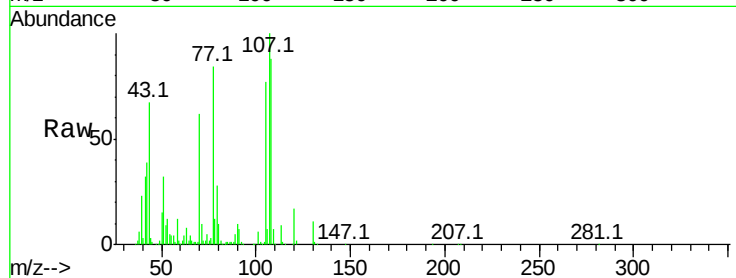
#19
n-Nitroso-di-n-propylamine
Concen: 40.56 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	62.7	49.4	74.0
101	9.1	7.4	11.2
130	18.5	14.2	21.4

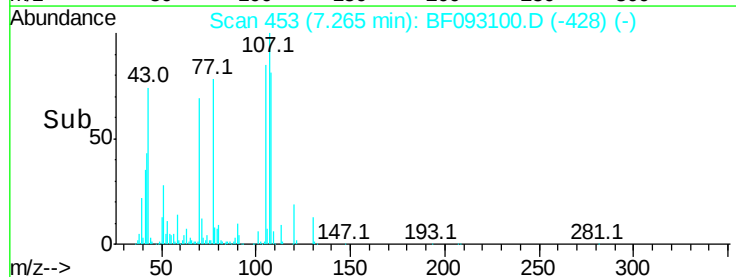
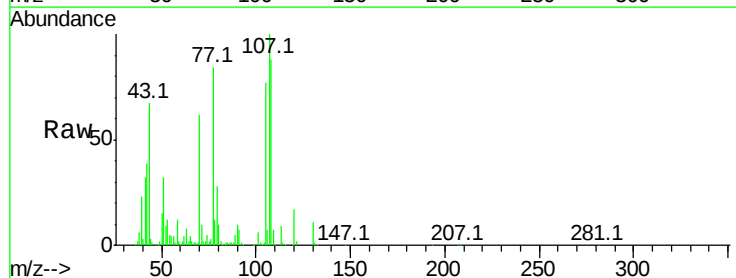
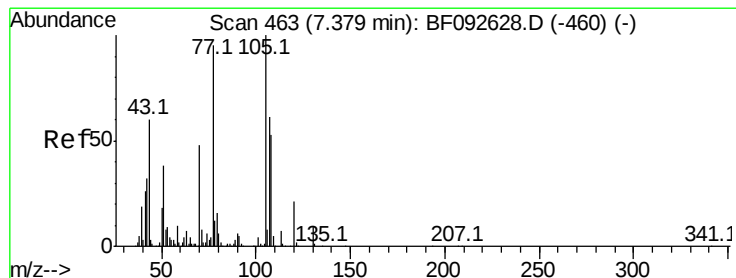
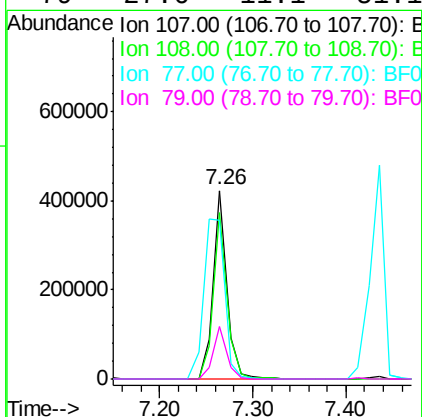
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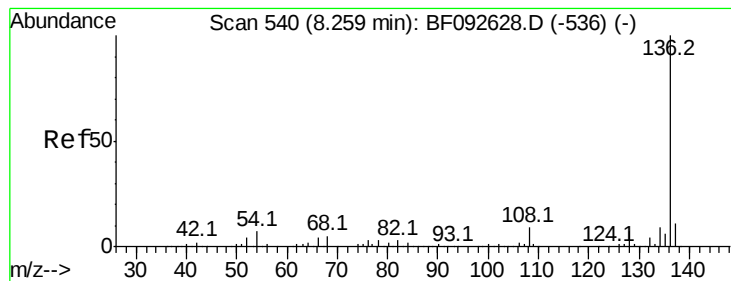
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#20
3+4-Methylphenols
Concen: 41.85 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.2	73.0	113.0
77	83.8	71.3	111.3
79	27.6	11.1	51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

ClientSampleId :

PB97103BS

Tot Ion:136 Resp: 646656

Ion Ratio Lower Upper

136 100

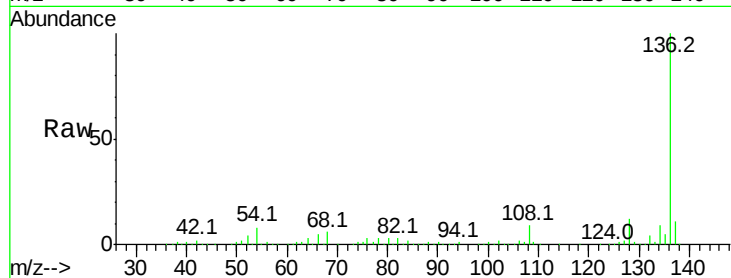
137 11.0 8.4 12.6

54 8.1 4.5 6.7#

68 5.9 3.6 5.4#

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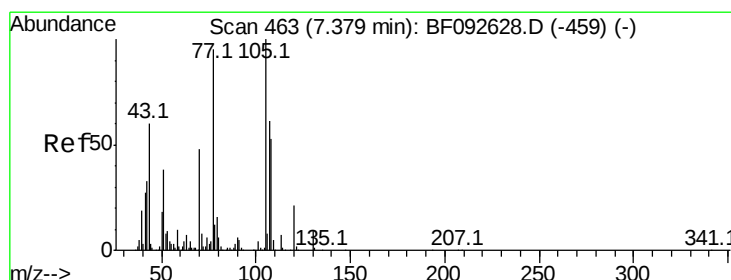
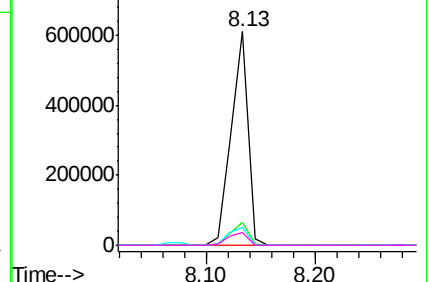
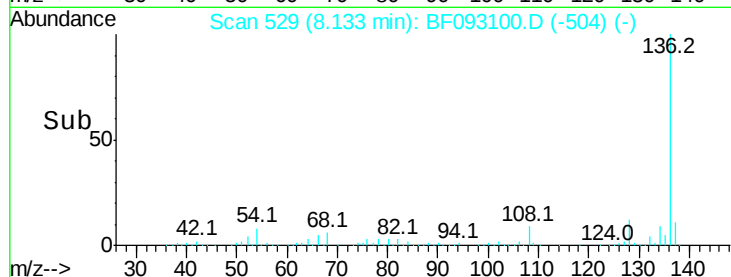


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 38.44 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion:105 Resp: 567602

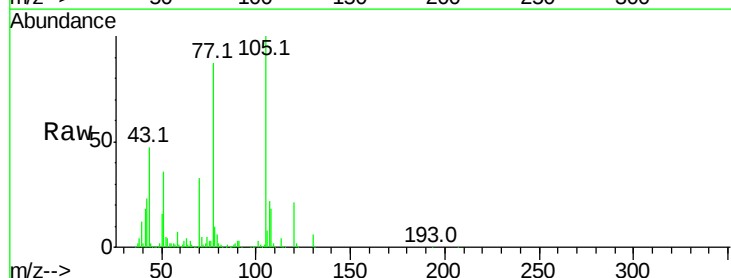
Ion Ratio Lower Upper

105 100

71 5.4 3.2 4.8#

51 35.6 26.2 39.4

120 20.8 16.6 24.8

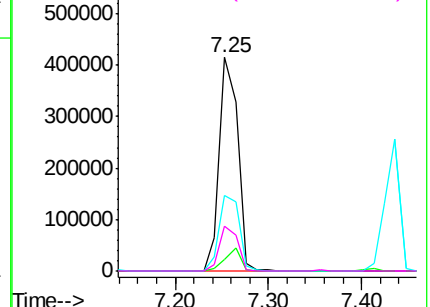
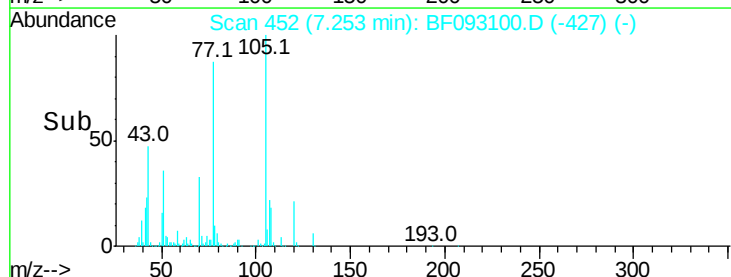


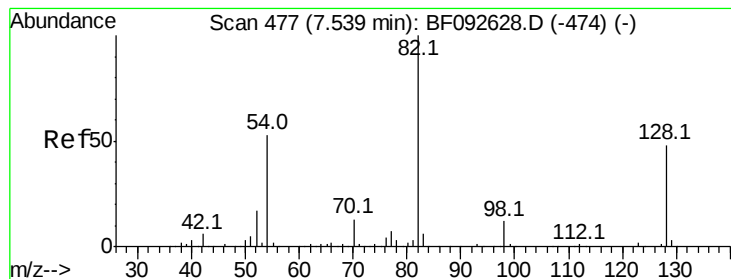
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 77.30 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

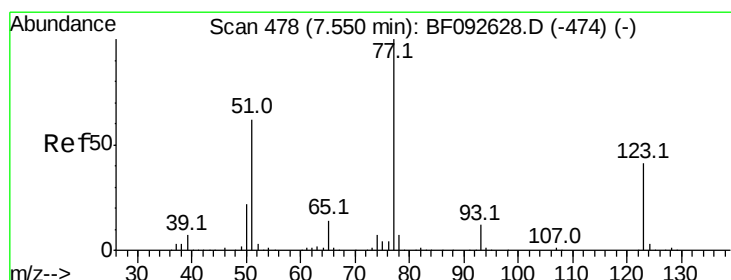
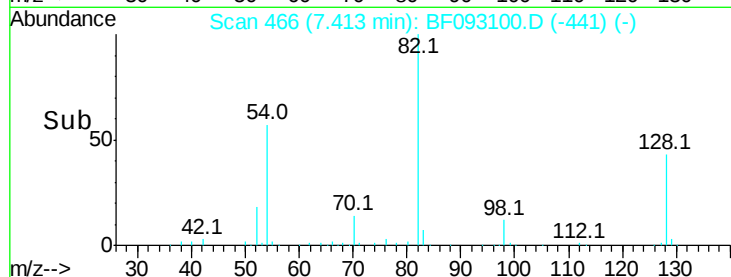
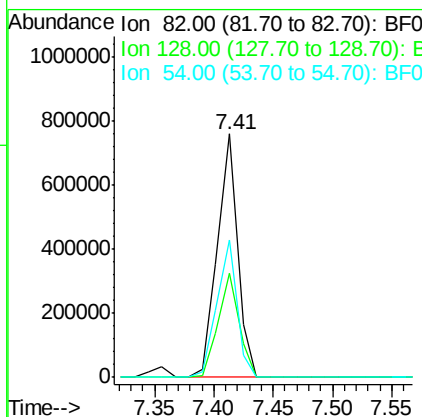
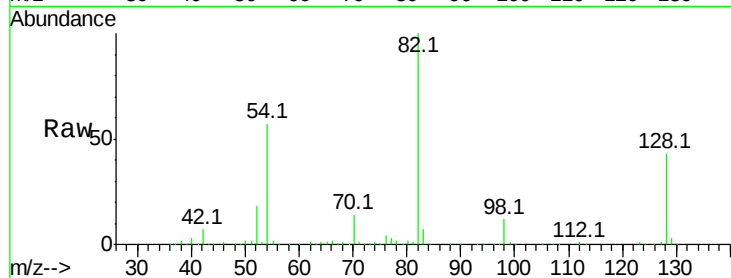
ClientSampleId :

PB97103BS

Tot Ion	82	Resp	897628
Ion Ratio	Lower	Upper	
82	100		
128	42.7	34.6	52.0
54	56.6	39.5	59.3

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#24

Nitrobenzene

Concen: 41.71 ng

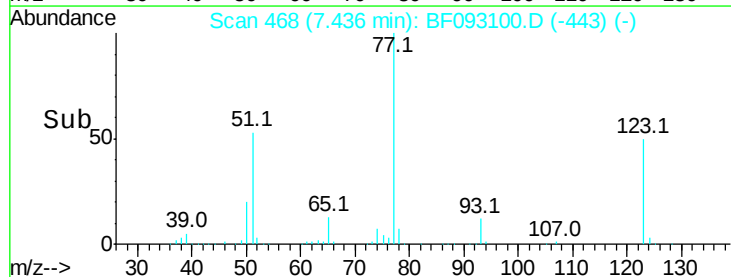
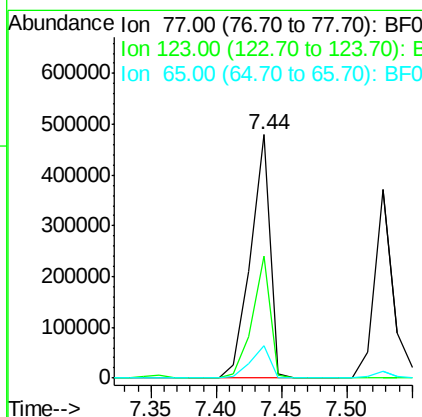
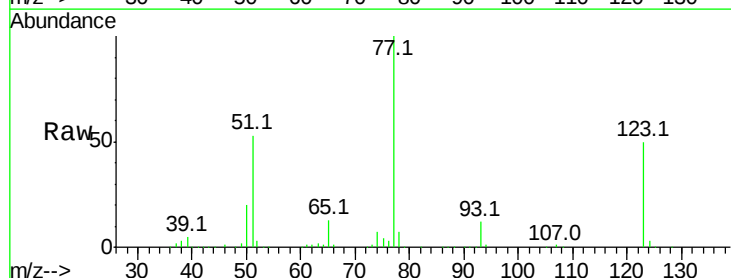
RT: 7.44 min Scan# 468

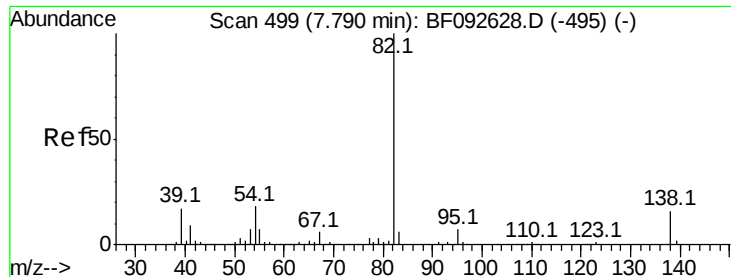
Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion	77	Resp	497395
Ion Ratio	Lower	Upper	
77	100		
123	50.0	33.0	49.4#
65	13.2	11.2	16.8





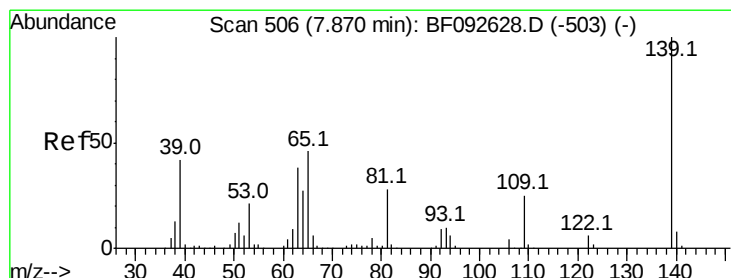
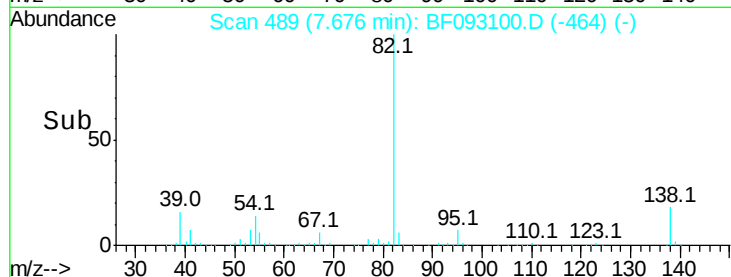
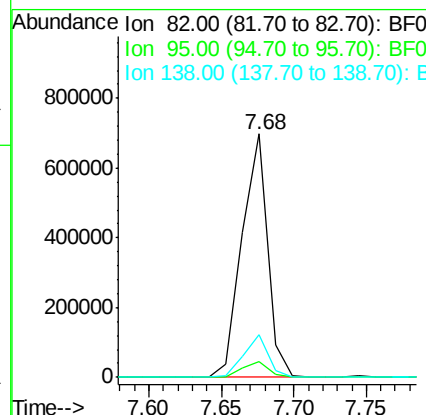
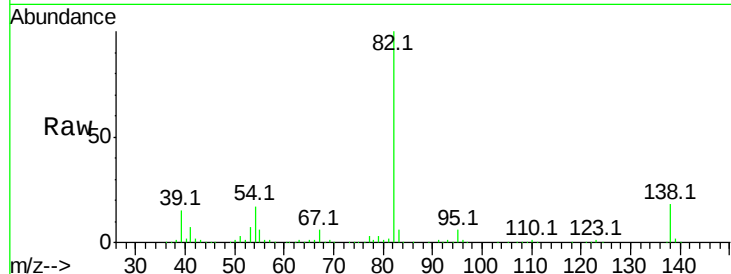
#25
Isophorone
Concen: 39.86 ng
RT: 7.68 min Scan# 489
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	862425		
95	6.4		5.6	8.4
138	17.8		14.6	22.0

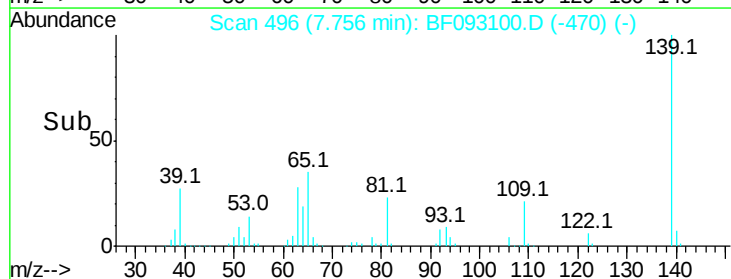
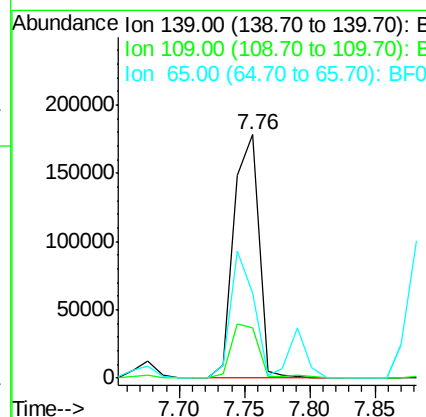
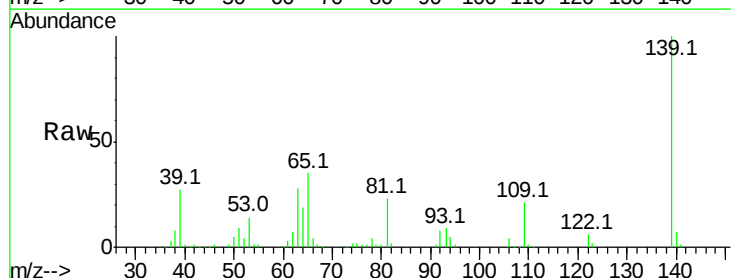
Manual Integrations
APPROVED

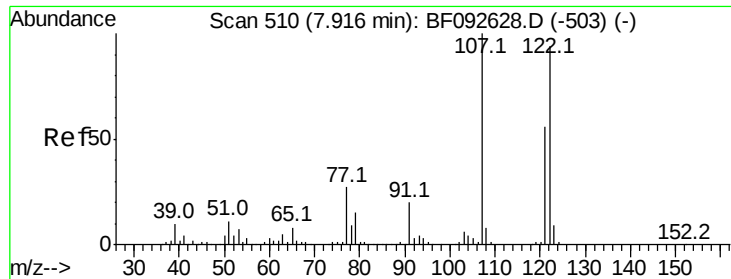
mohammad
2/24/2017 1:35:26 PM



#26
2-Nitrophenol
Concen: 41.74 ng
RT: 7.76 min Scan# 496
Delta R.T. 0.00 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	236583		
109	20.8		23.3	34.9#
65	35.0		42.7	64.1#





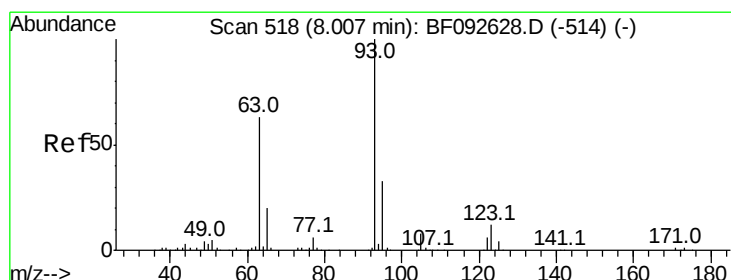
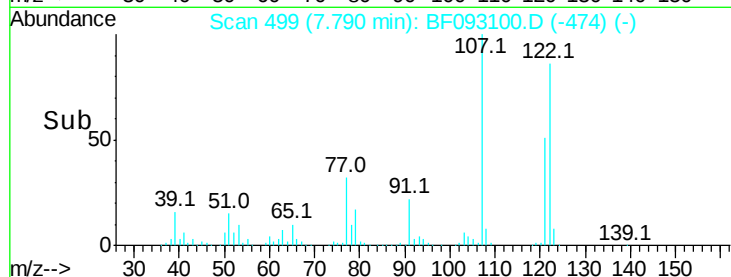
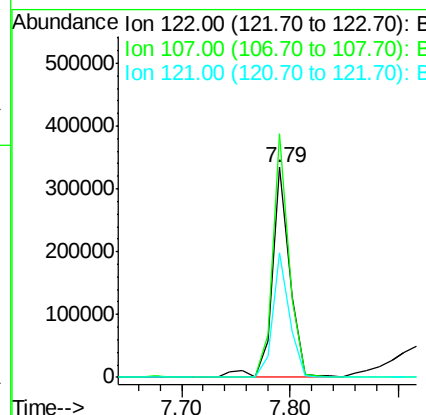
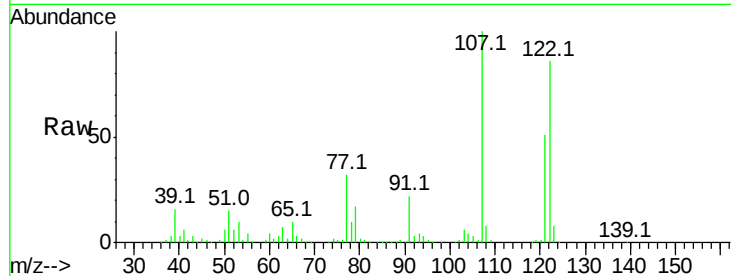
#27
2,4-Dimethylphenol
Concen: 37.79 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampled :
PB97103BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	376181		
107	115.8	94.1	141.1	
121	59.5	46.0	69.0	

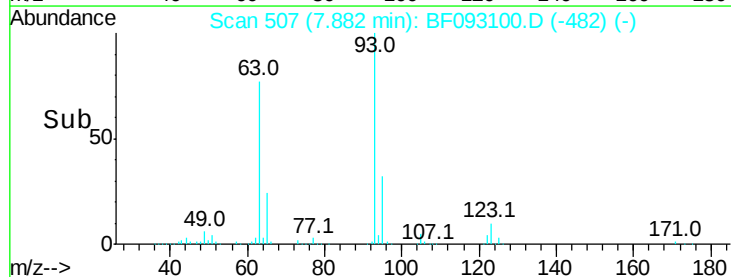
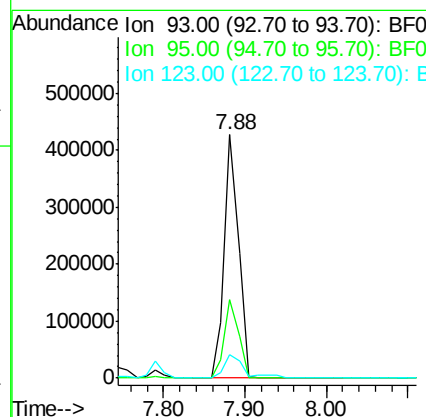
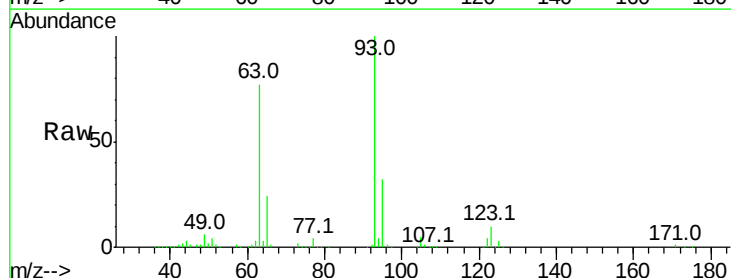
Manual Integrations
APPROVED

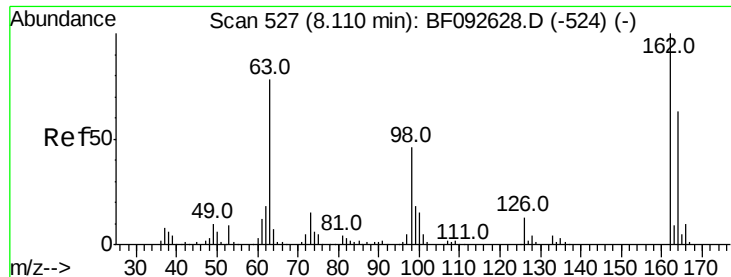
mohammad
2/24/2017 1:35:26 PM



#28
bis(2-Chloroethoxy)methane
Concen: 36.15 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	518042		
95	32.1	26.5	39.7	
123	9.5	8.6	13.0	





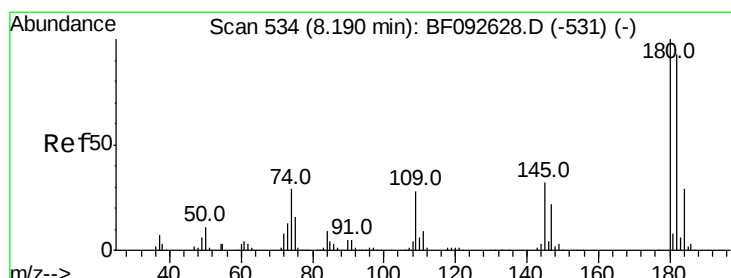
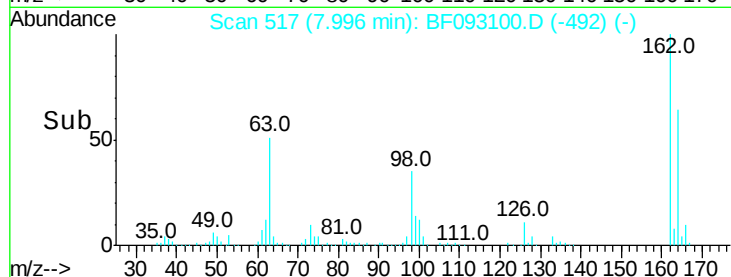
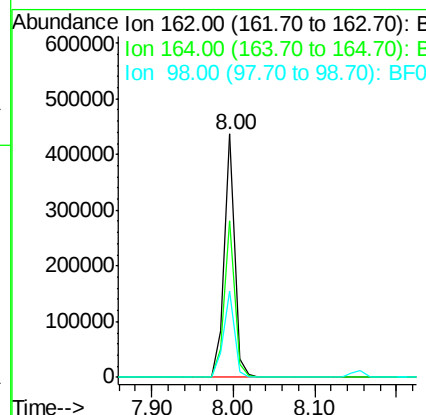
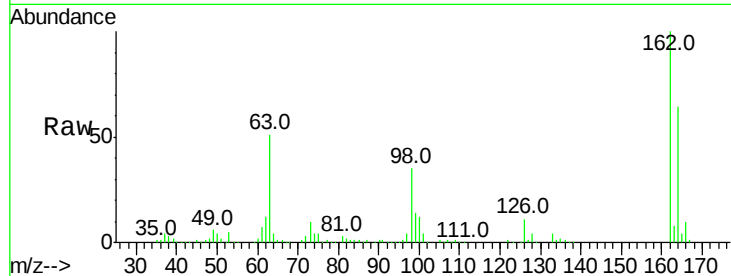
#29
 2,4-Dichlorophenol
 Concen: 41.92 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	389216		
164	64.2	46.8	86.8	
98	35.3	9.1	49.1	

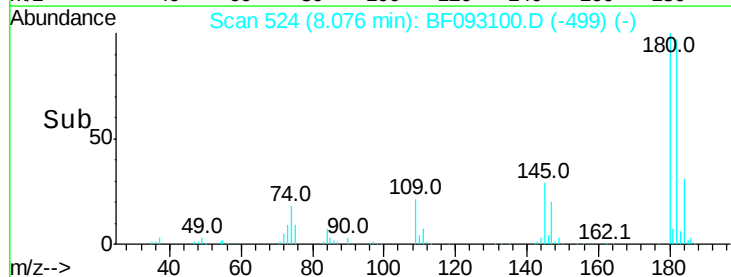
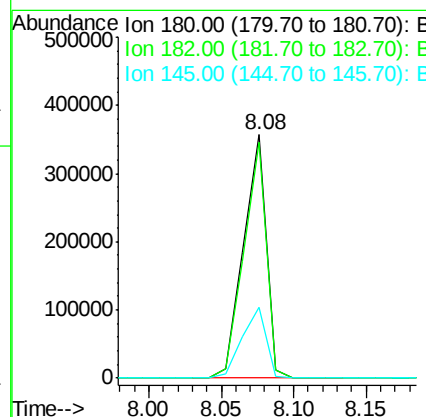
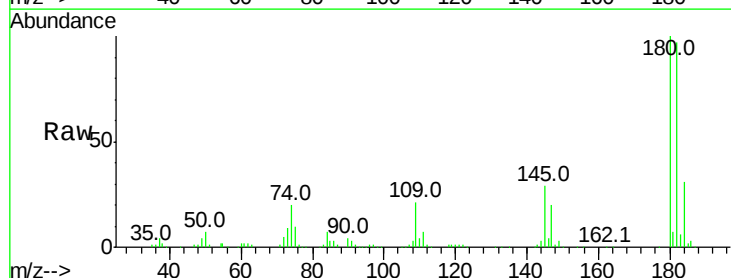
Manual Integrations
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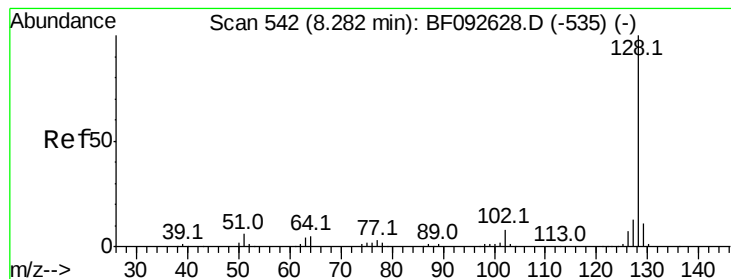
mohammad
 2/24/2017 1:35:26 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 38.96 ng
 RT: 8.08 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	389815		
182	96.8	78.2	117.4	
145	29.2	21.6	32.4	





#31

Naphthalene

Concen: 37.48 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

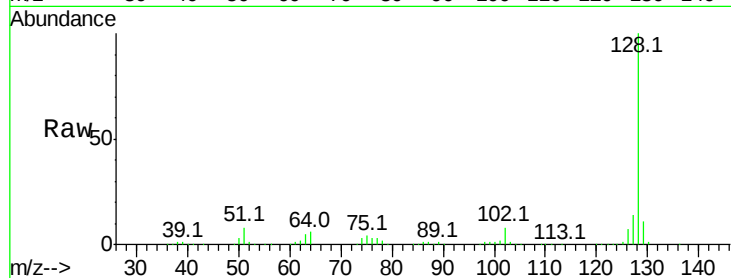
ClientSampleId :

PB97103BS

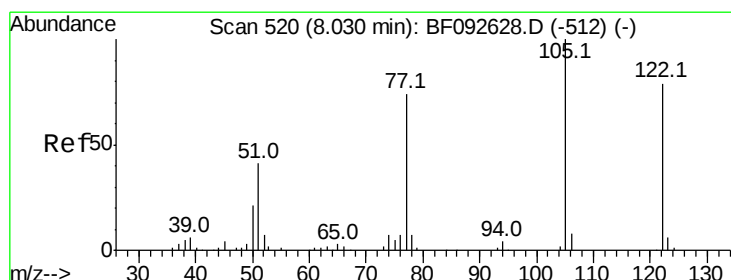
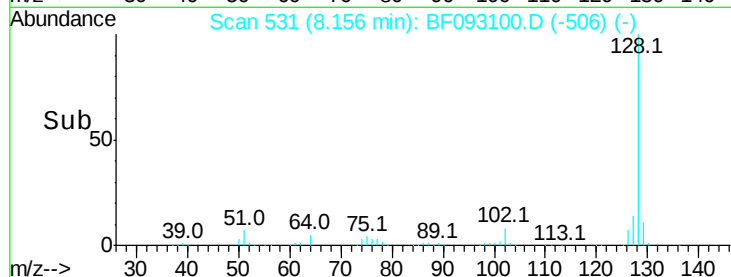
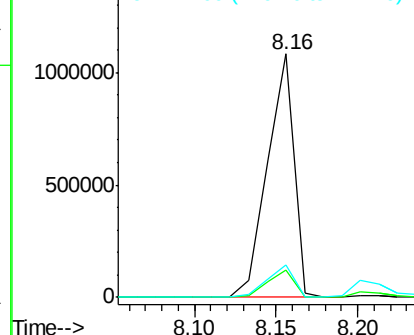
Tot Ion:128	Resp: 1228517
Ion Ratio	Lower Upper
128 100	
129 11.0	9.5 14.3
127 13.5	10.8 16.2

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 38.40 ng

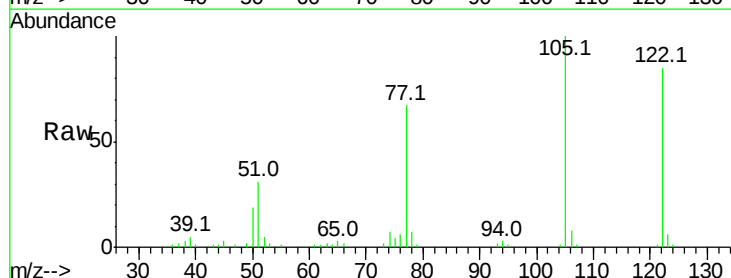
RT: 7.94 min Scan# 512

Delta R.T. 0.01 min

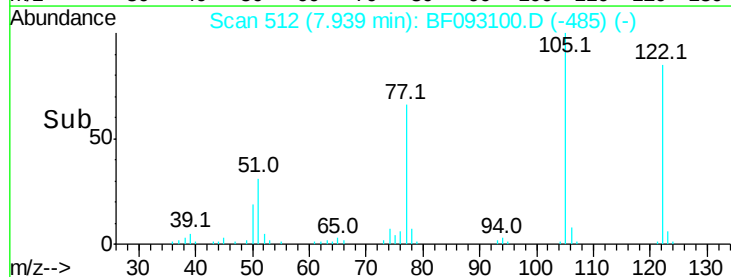
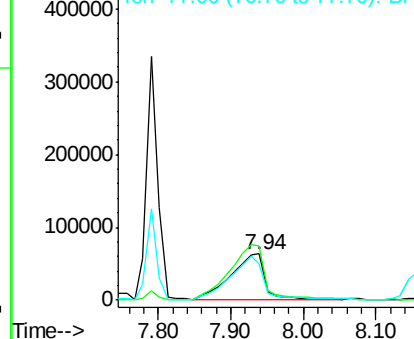
Lab File: BF093100.D

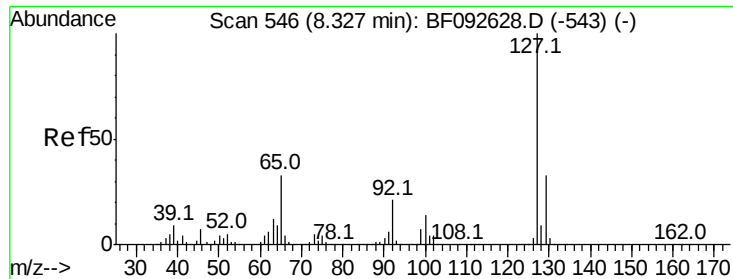
Acq: 23 Feb 2017 10:39

Tgt Ion:122	Resp: 207099
Ion Ratio	Lower Upper
122 100	
105 118.3	107.2 147.2
77 79.3	74.5 114.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





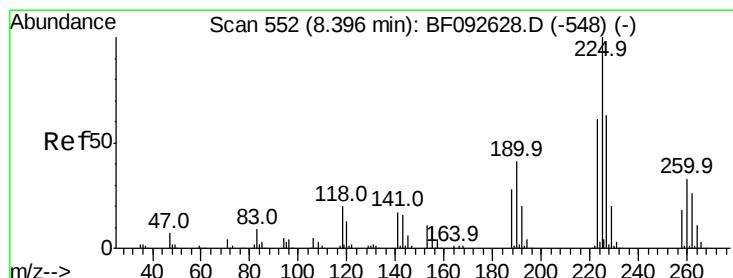
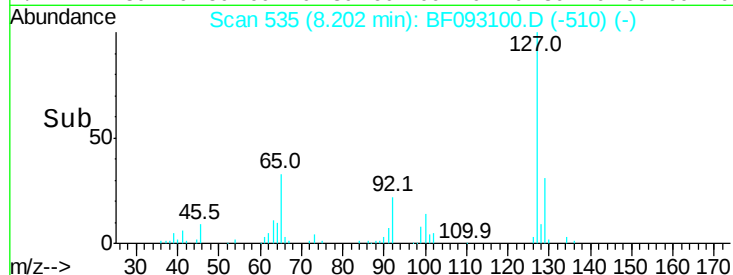
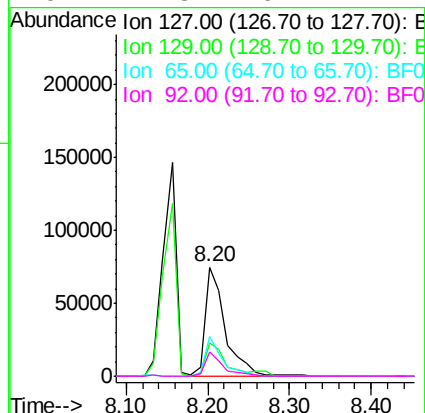
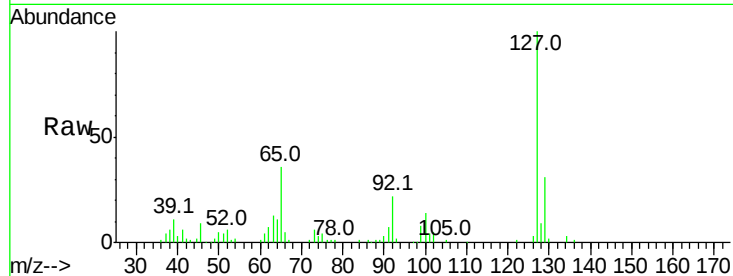
#33
4-Chloroaniline
Concen: 10.08 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.8	26.3	39.5		
65	36.3	25.8	38.8		
92	21.8	16.1	24.1		

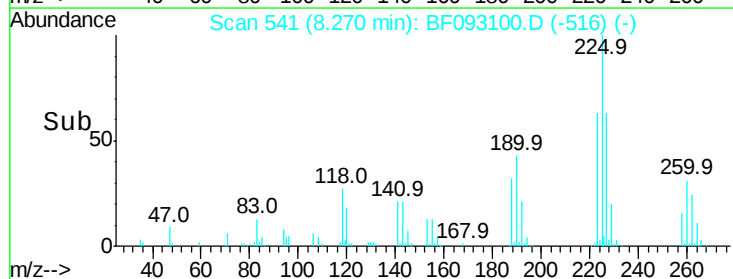
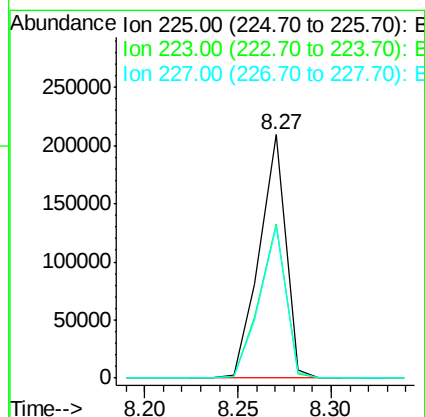
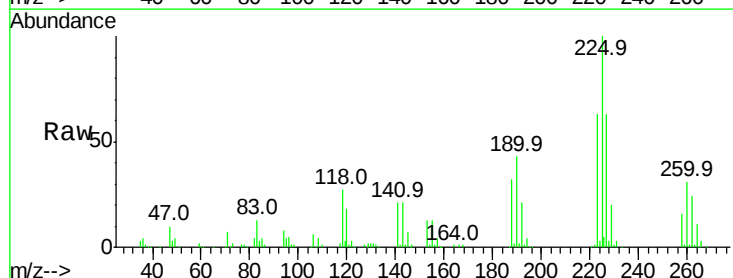
Manual Integrations
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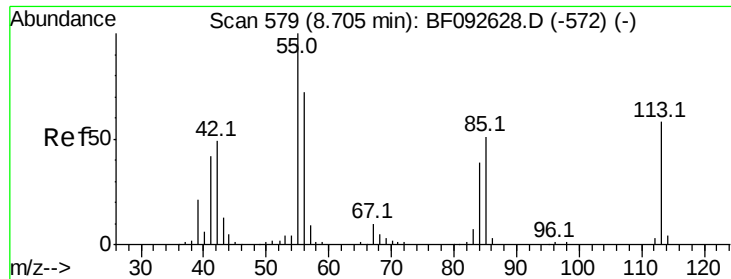
mohammad
2/24/2017 1:35:26 PM



#34
Hexachlorobutadiene
Concen: 37.42 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.3	51.0	76.6		
227	62.6	50.6	76.0		





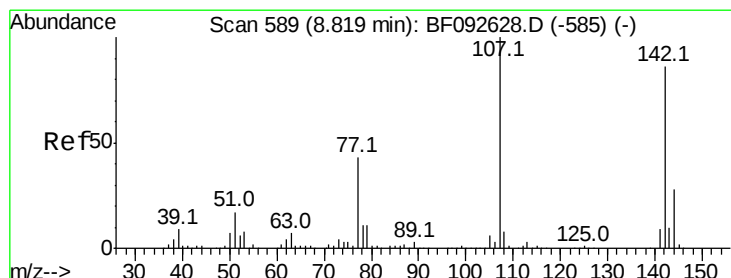
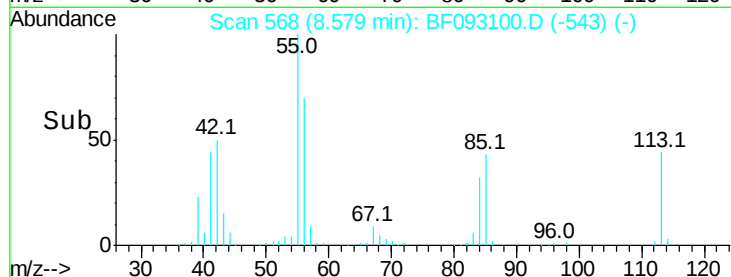
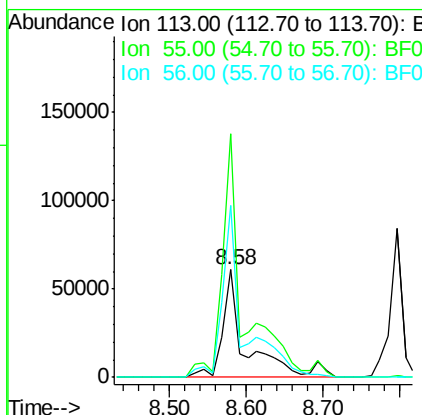
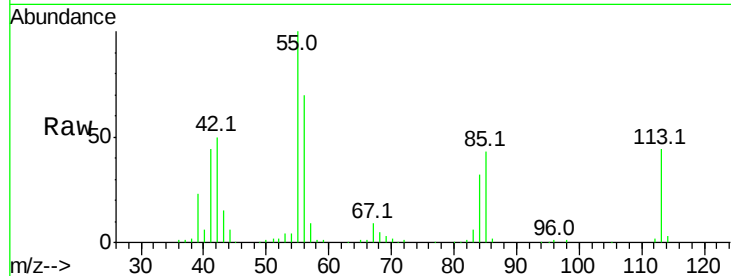
#35
 Caprolactam
 Concen: 43.47 ng/ml
 RT: 8.58 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleID :
 PB97103BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	226.3	119.2	159.2#
56	159.5	83.8	123.8#

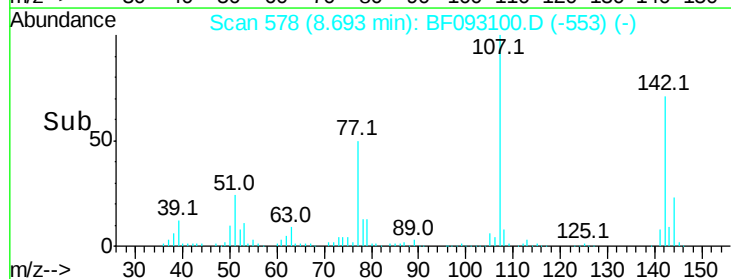
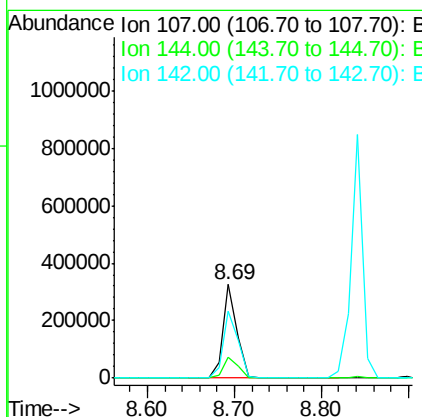
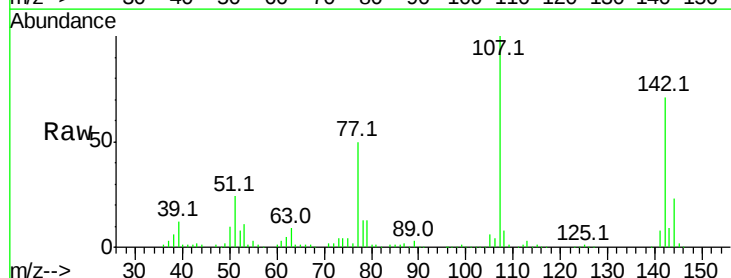
Manual Integrations
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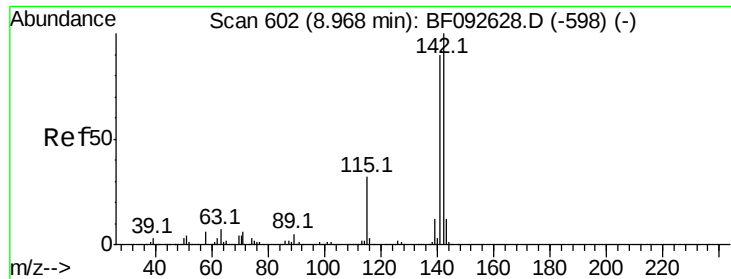
mohammad
 2/24/2017 1:35:26 PM



#36
 4-Chloro-3-methylphenol
 Concen: 38.04 ng/ml
 RT: 8.69 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.7	19.3	28.9
142	71.5	59.0	88.6





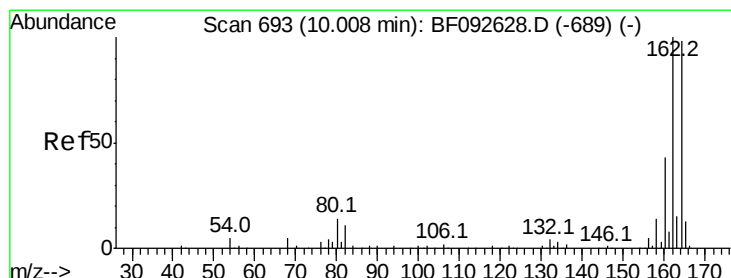
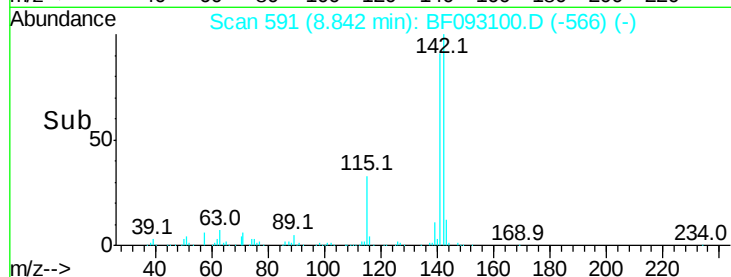
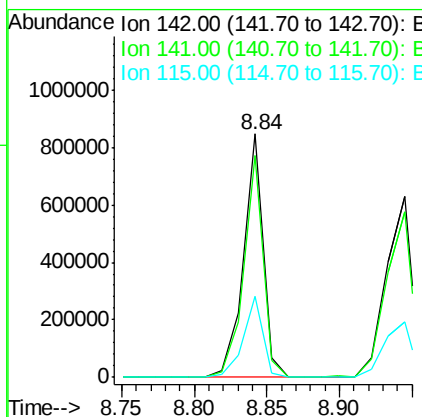
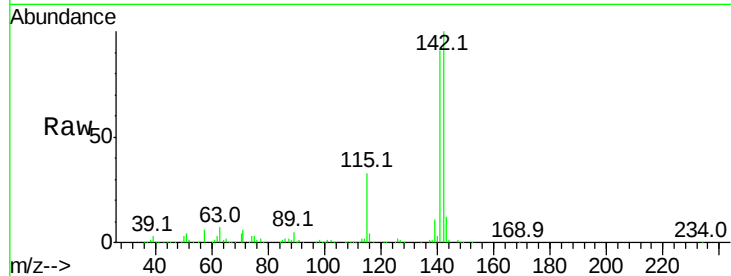
#37
2-Methylnaphthalene
Concen: 38.05 ng
RT: 8.84 min Scan# 591
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.0	106.6
115	33.3	28.3	42.5

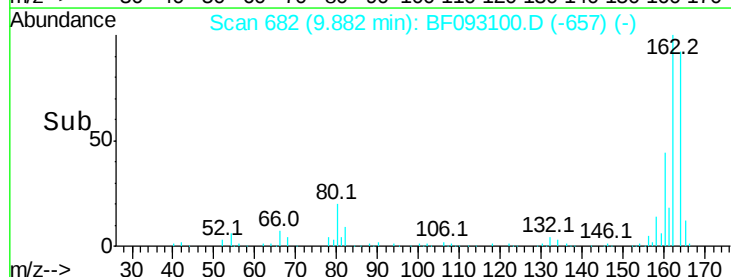
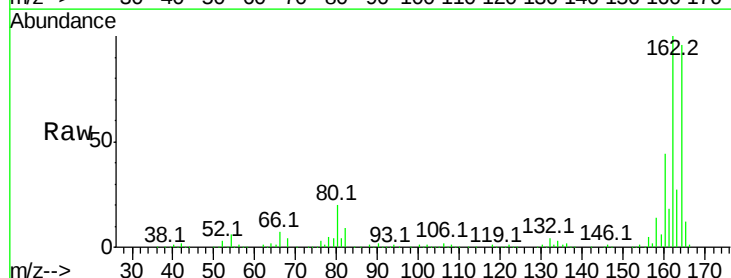
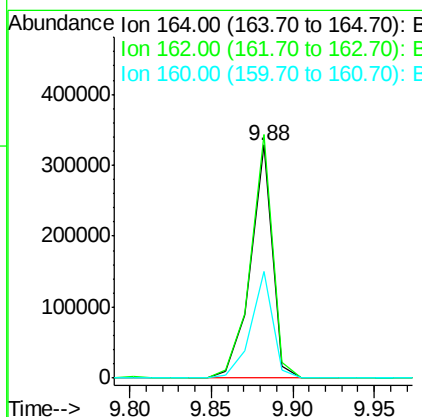
Manual Integrations
APPROVED

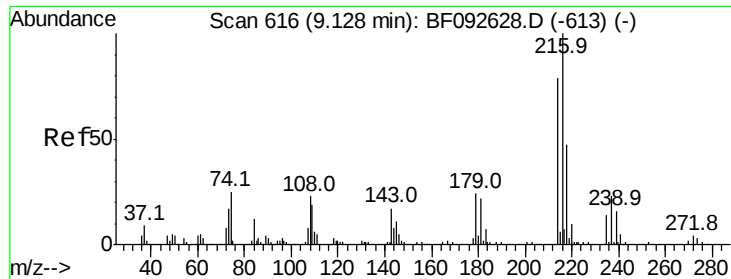
mohammad
2/24/2017 1:35:26 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.2	120.2
160	45.9	36.9	55.3





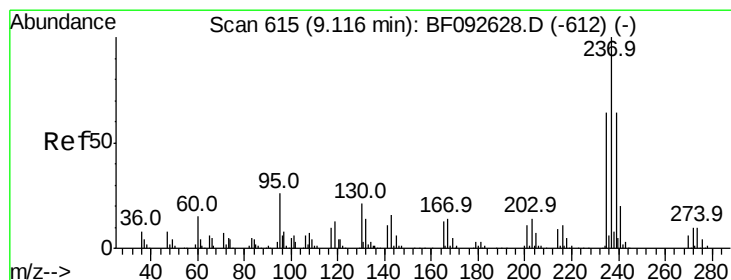
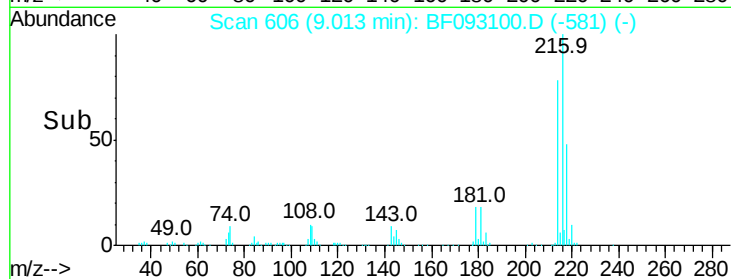
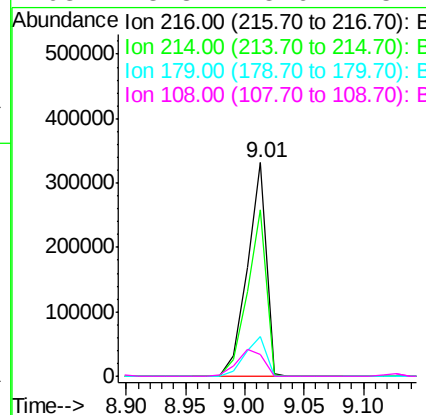
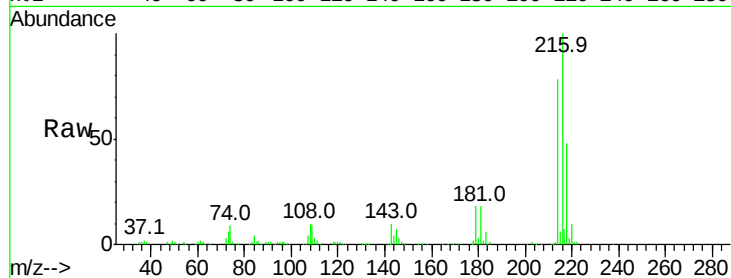
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 42.96 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BS

Tot Ion:	216	Resp:	368808
Ion Ratio		Lower	Upper
216	100		
214	77.9	63.4	95.0
179	20.4	17.4	26.2
108	18.3	15.6	23.4

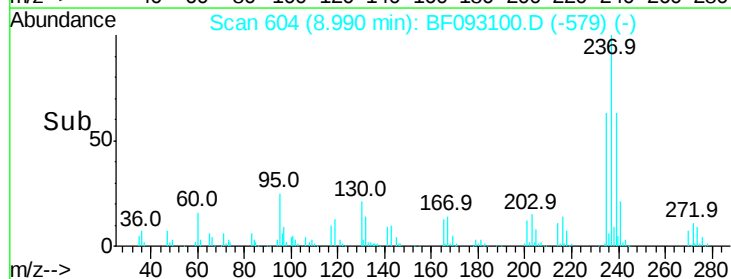
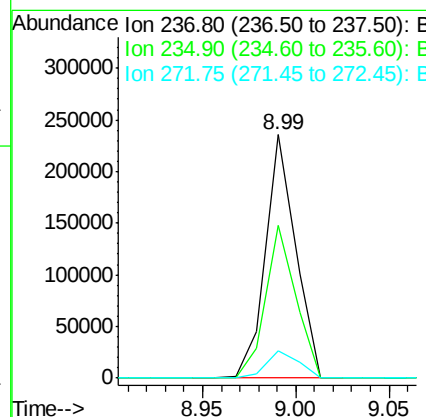
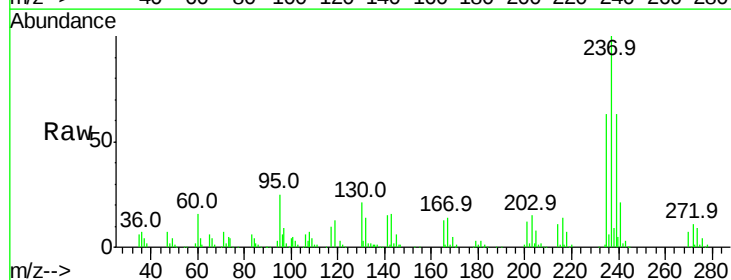
Manual Integrations
 APPROVED

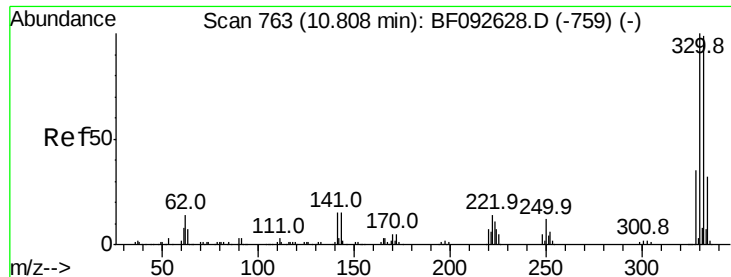
mohammad
 2/24/2017 1:35:26 PM



#40
 Hexachlorocyclopentadiene
 Concen: 67.87 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion:	237	Resp:	262908
Ion Ratio		Lower	Upper
237	100		
235	62.7	41.2	81.2
272	11.4	0.0	35.4





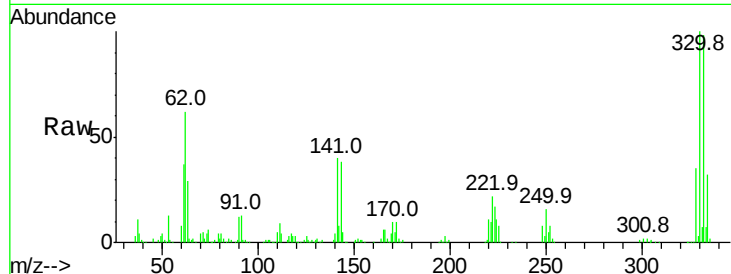
#41
 2,4,6-Tribromophenol
 Concen: 122.78 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BS

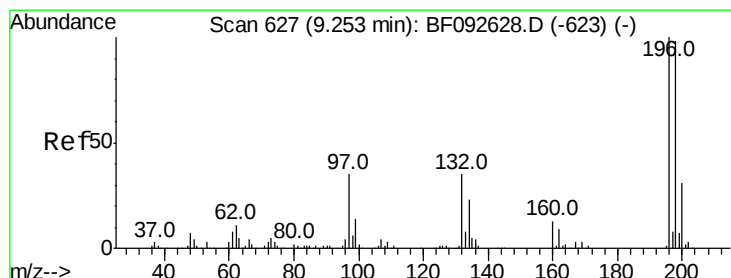
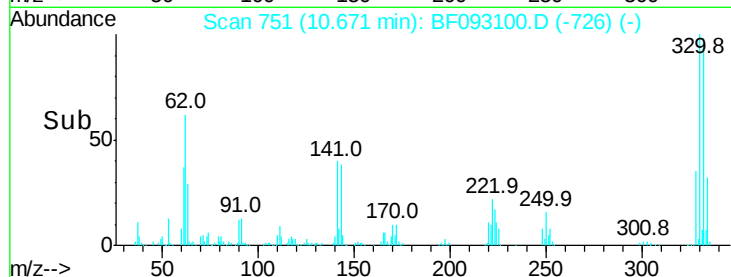
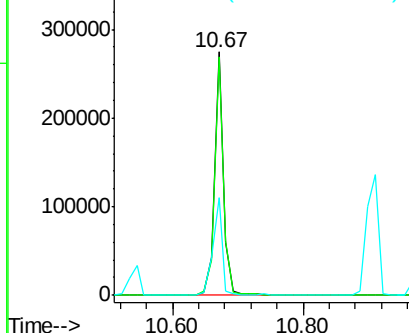
Tot Ion	Ratio	Resp	Lower	Upper
330	100	271611		
332	97.8	77.4	116.2	
141	41.3	34.1	51.1	

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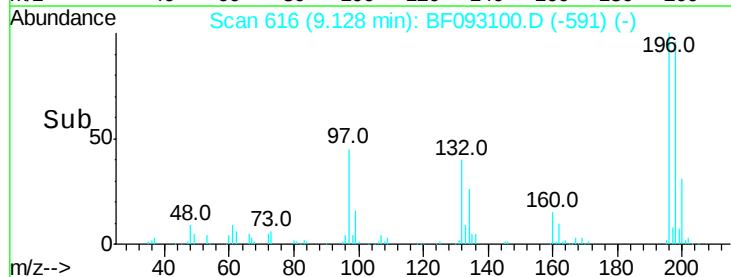
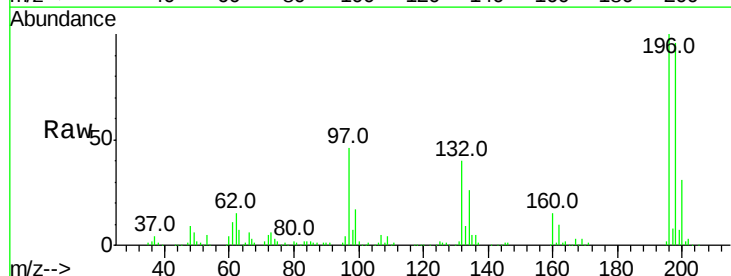
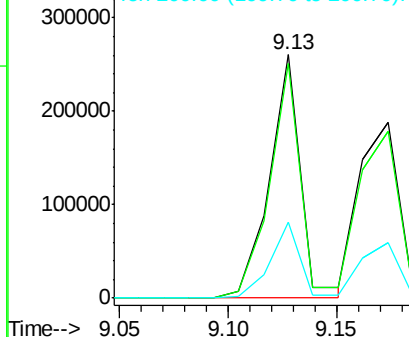
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

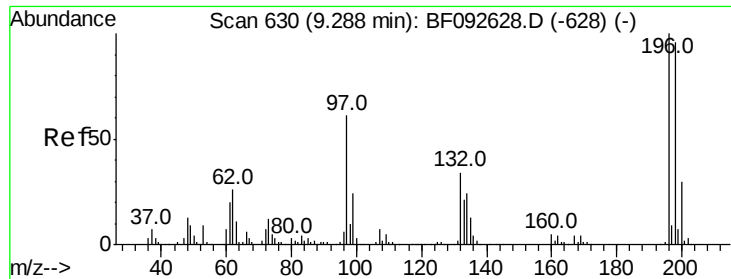


#42
 2,4,6-Trichlorophenol
 Concen: 45.97 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	259356		
198	96.5	82.1	123.1	
200	31.1	27.0	40.4	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





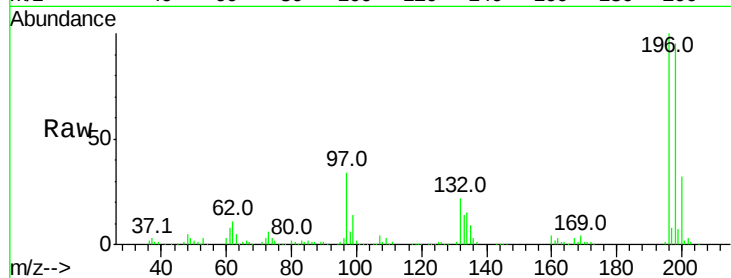
#43
 2,4,5-Trichlorophenol
 Concen: 39.28 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BS

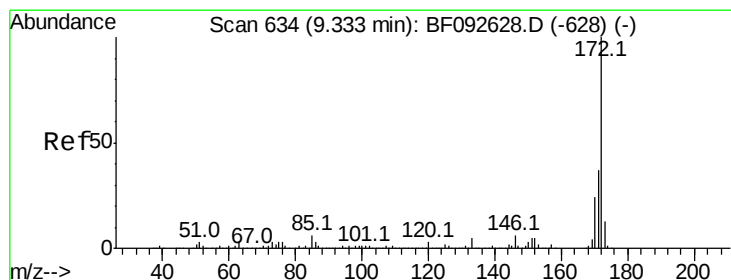
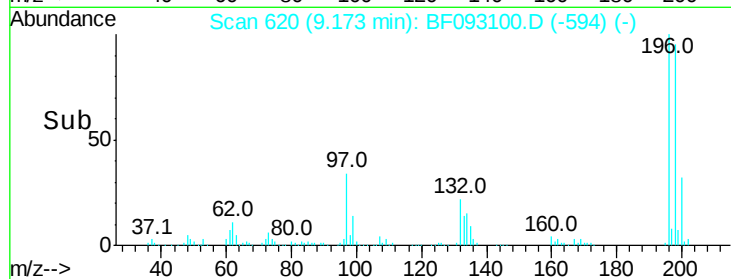
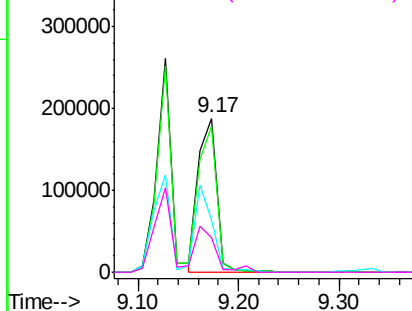
Tot Ion:	196	Resp:	242803
Ion Ratio	Lower	Upper	
196	100		
198	94.8	79.4	119.2
97	34.0	51.5	77.3#
132	22.2	27.4	41.2#

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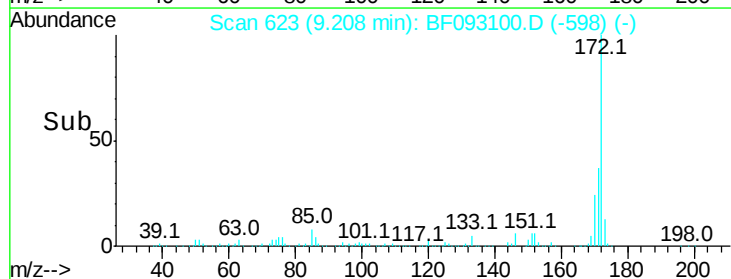
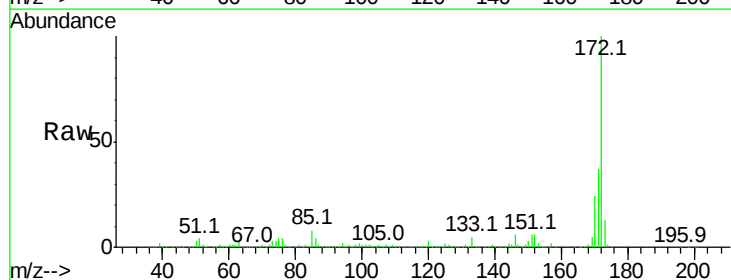
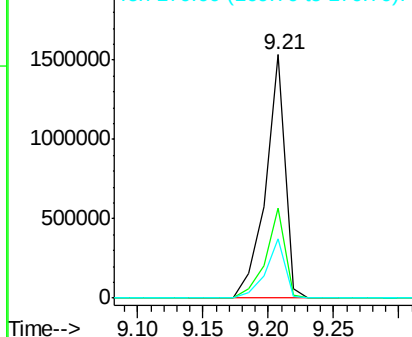
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

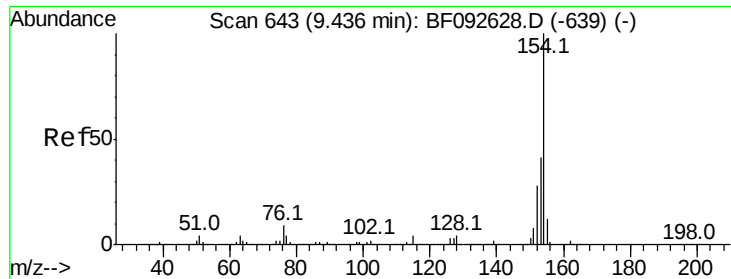


#44
 2-Fluorobiphenyl
 Concen: 94.47 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion:	172	Resp:	1594866
Ion Ratio	Lower	Upper	
172	100		
171	36.8	29.4	44.0
170	24.5	20.2	30.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 43.51 ng

RT: 9.31 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

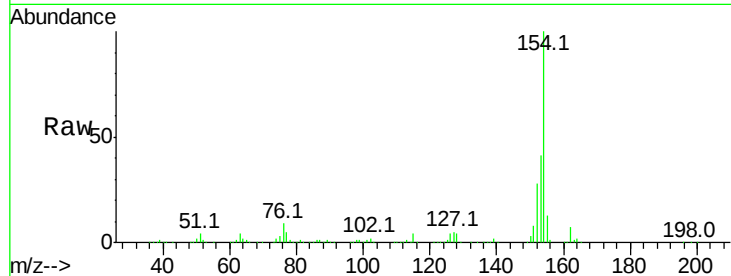
ClientSampled :

PB97103BS

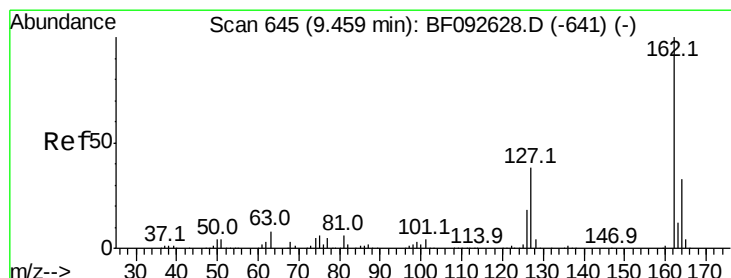
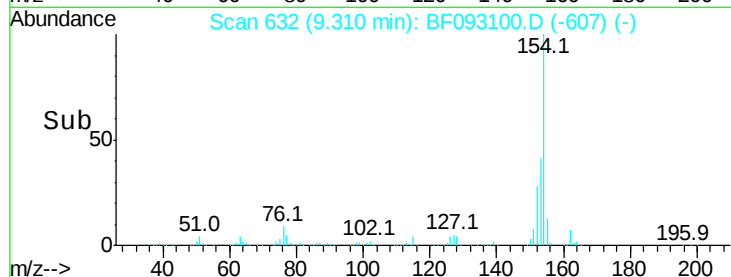
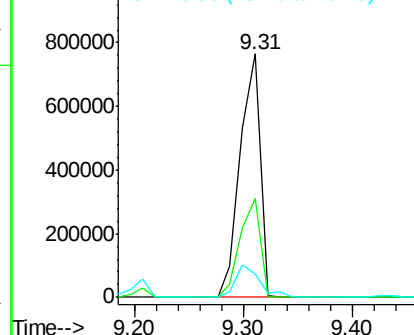
Tot Ion:	154	Resp:	963618
Ion Ratio	Lower	Upper	
154	100		
153	40.7	20.9	60.9
76	9.4	0.0	30.5

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



#46

2-Chloronaphthalene

Concen: 45.12 ng

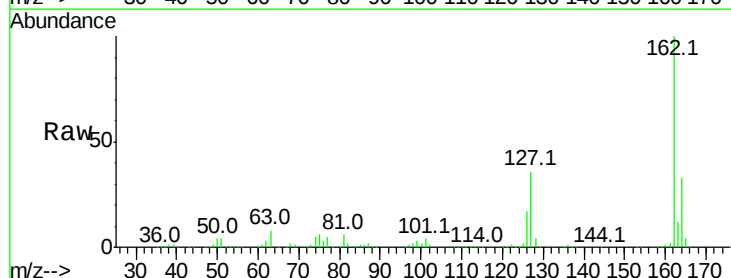
RT: 9.33 min Scan# 634

Delta R.T. -0.01 min

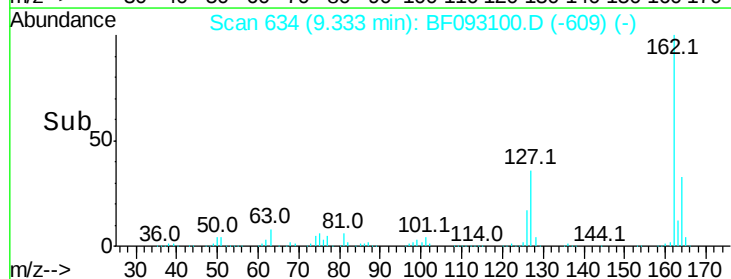
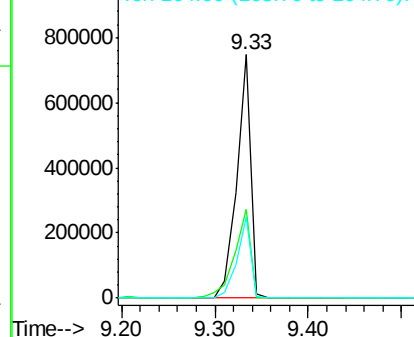
Lab File: BF093100.D

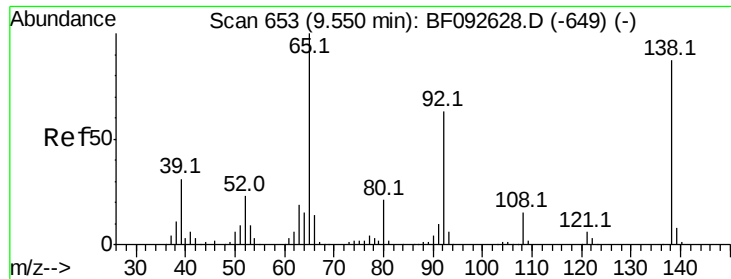
Acq: 23 Feb 2017 10:39

Tgt Ion:	162	Resp:	781802
Ion Ratio	Lower	Upper	
162	100		
127	36.4	30.7	46.1
164	33.4	27.6	41.4



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





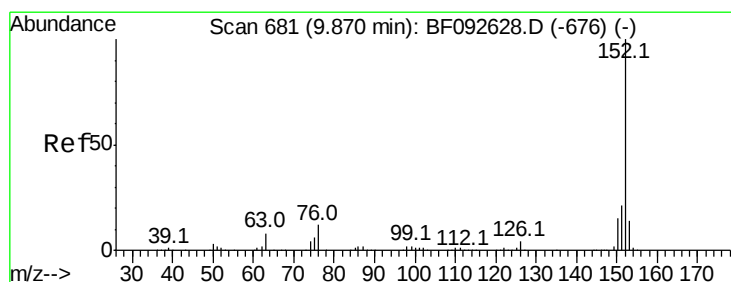
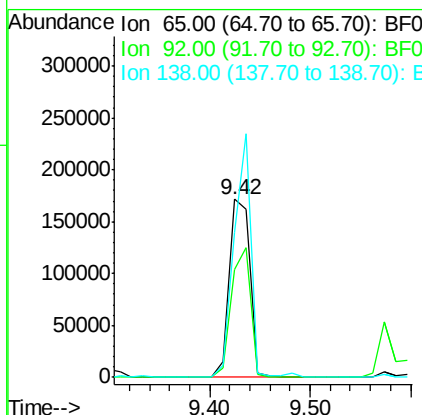
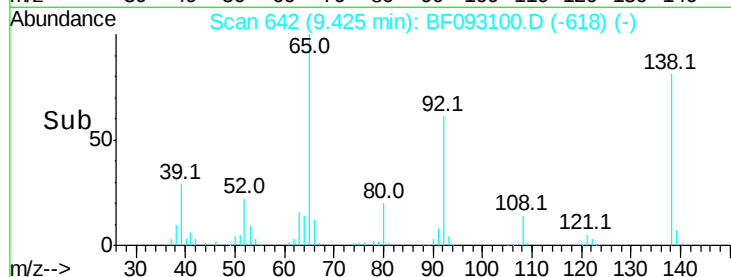
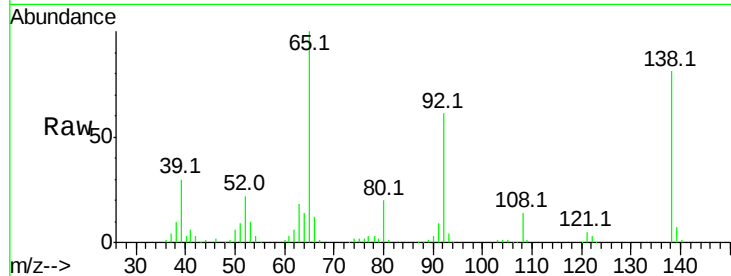
#47
2-Nitroaniline
Concen: 42.04 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.02 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	60.9	53.9	80.9
138	81.2	76.8	115.2

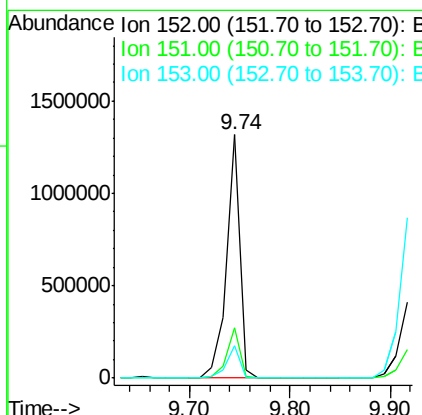
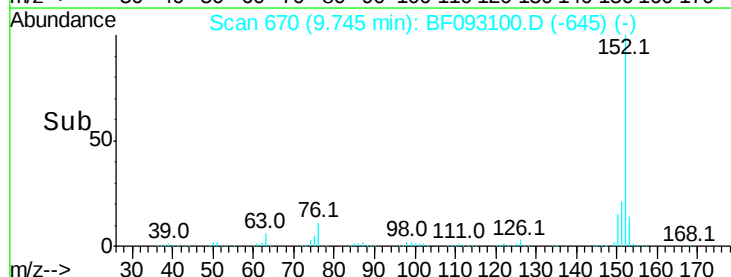
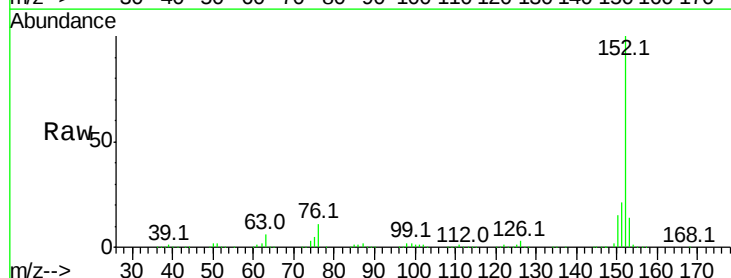
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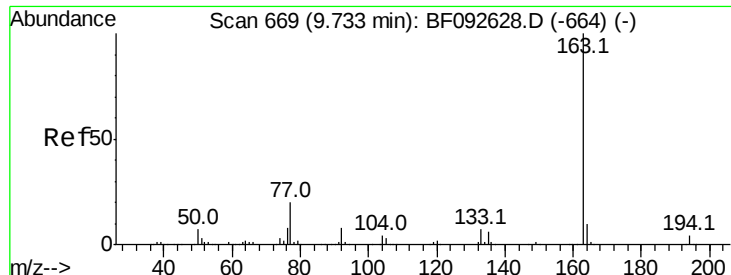
mohammad
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#48
Acenaphthylene
Concen: 40.28 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.9	25.3
153	13.5	11.4	17.2





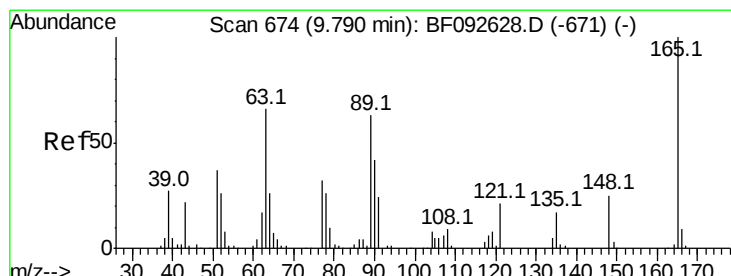
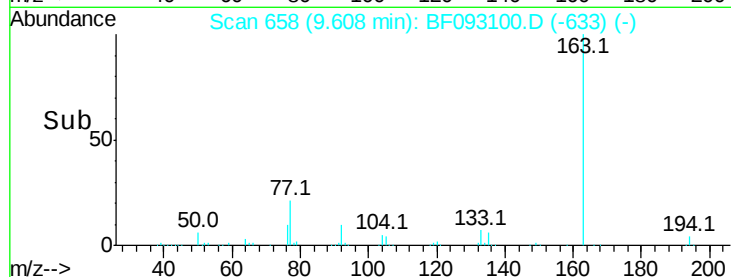
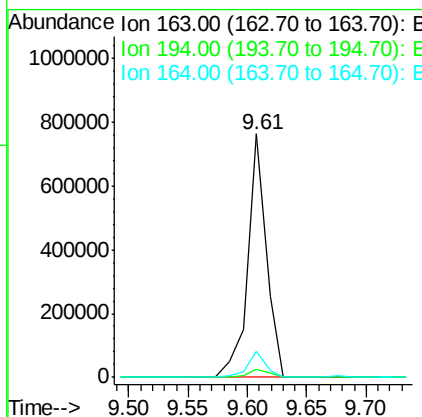
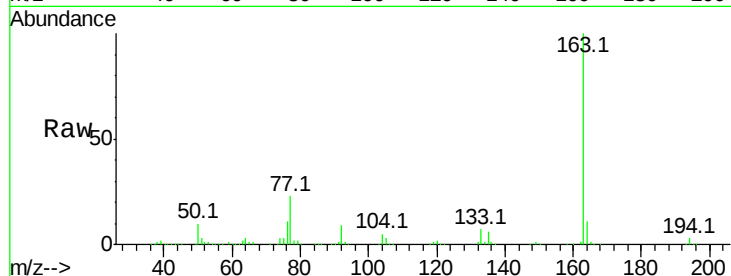
#49
Dimethylphthalate
Concen: 40.67 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Resp	Lower	Upper
163	100	837824		
194	3.3		3.0	4.4
164	10.7		8.0	12.0

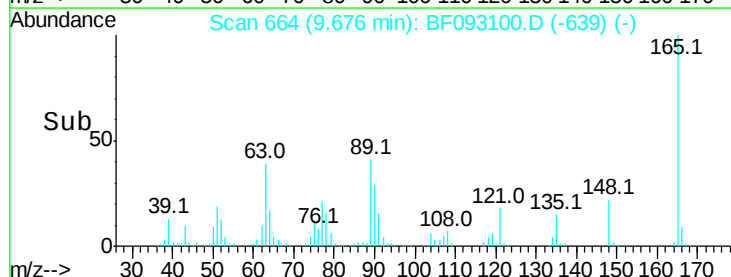
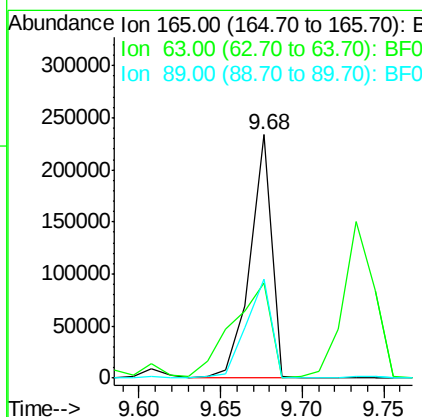
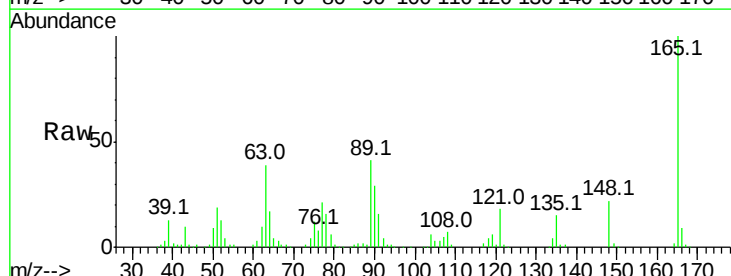
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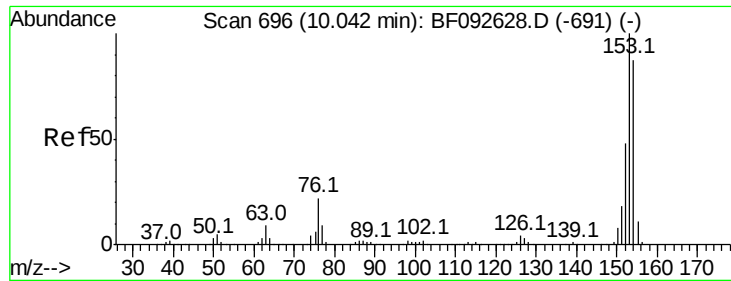
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#50
2,6-Dinitrotoluene
Concen: 48.53 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	215925		
63	39.0		36.2	54.4
89	40.5		40.2	60.4





#51

Acenaphthene

Concen: 39.89 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

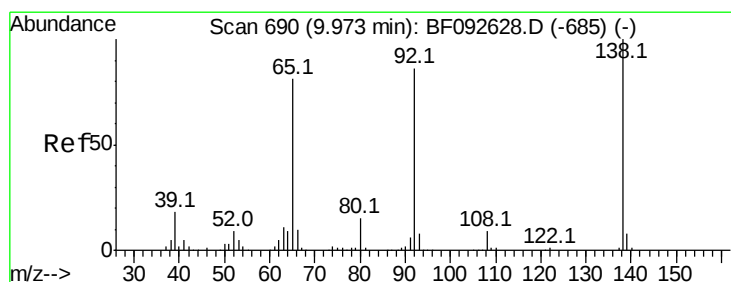
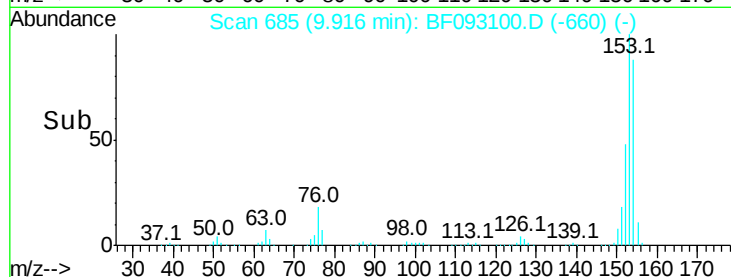
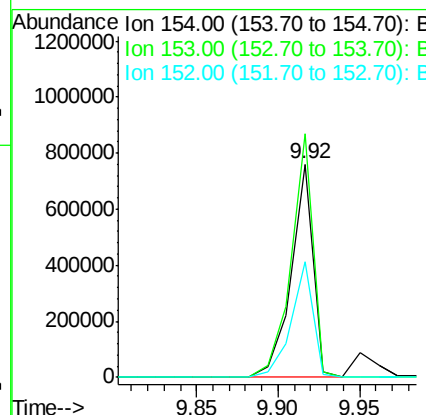
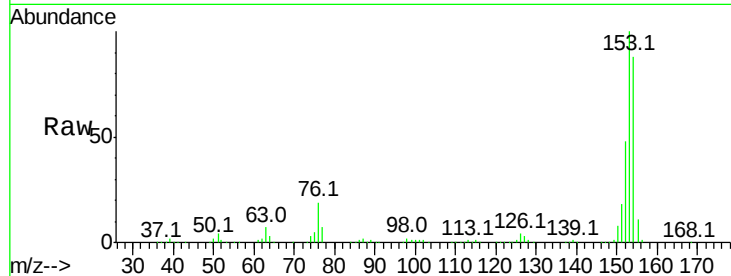
ClientSampleId :

PB97103BS

Tot Ion:	154	Resp:	713813
Ion Ratio	Lower	Upper	
154	100		
153	114.1	88.6	133.0
152	54.4	41.6	62.4

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#52

3-Nitroaniline

Concen: 19.52 ng

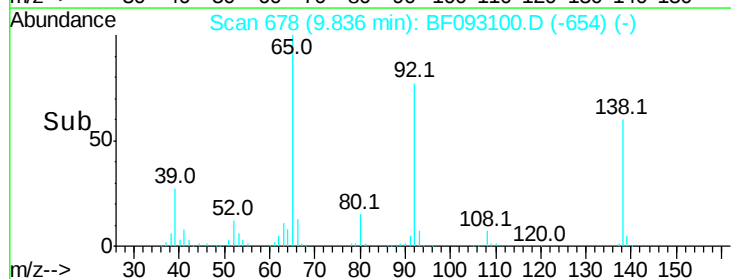
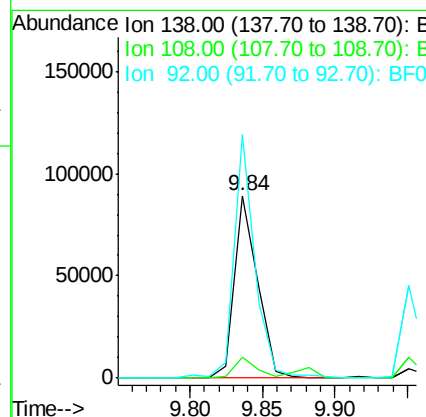
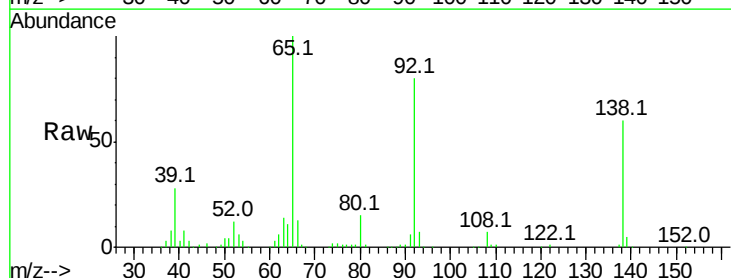
RT: 9.84 min Scan# 678

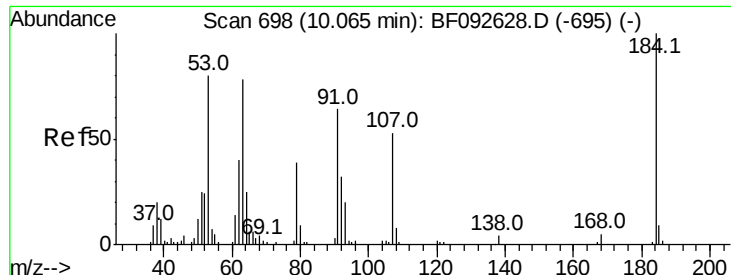
Delta R.T. -0.02 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion:	138	Resp:	99398
Ion Ratio	Lower	Upper	
138	100		
108	11.6	8.5	12.7
92	133.6	97.8	146.8





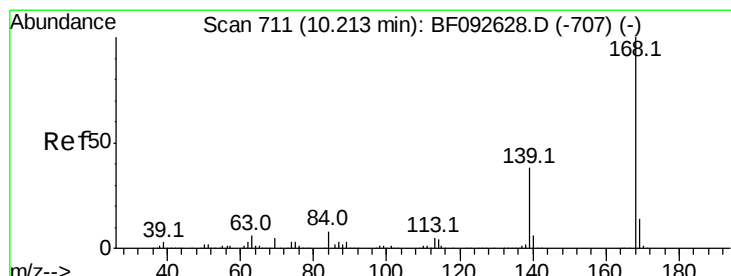
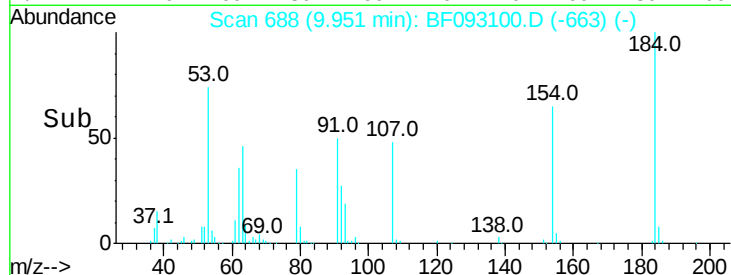
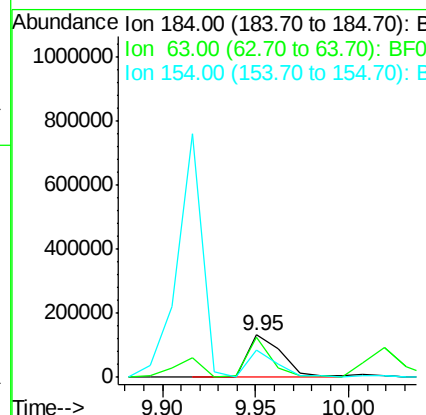
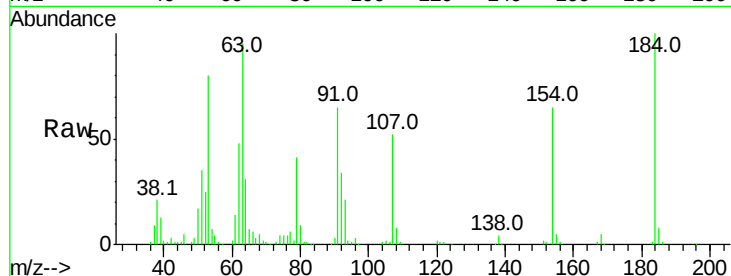
#53
 2,4-Dinitrophenol
 Concen: 74.14 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	166961		
63	94.7	28.4	42.6#	
154	64.8	44.3	66.5	

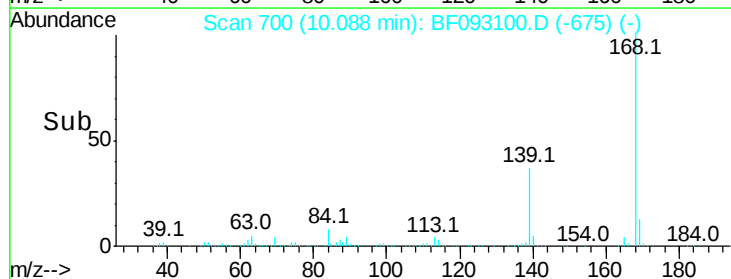
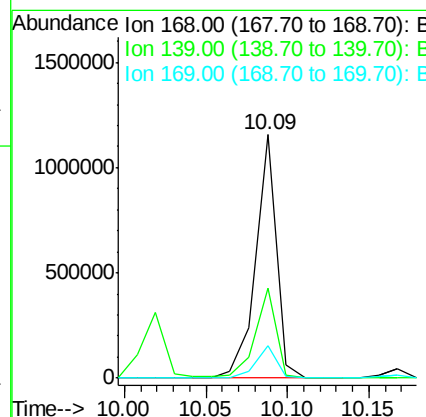
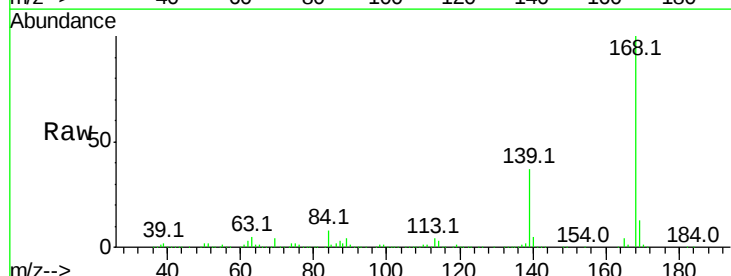
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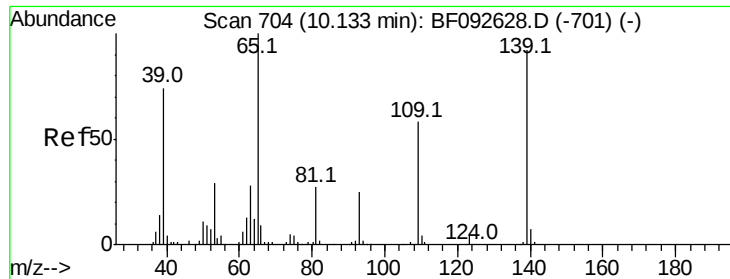
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#54
 Dibenzofuran
 Concen: 42.72 ng
 RT: 10.09 min Scan# 700
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1022521		
139	37.1	32.6	49.0	
169	13.4	11.3	16.9	





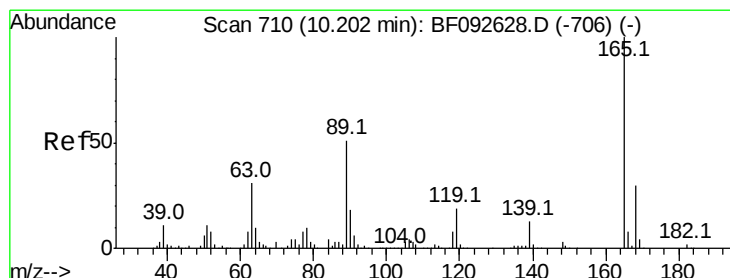
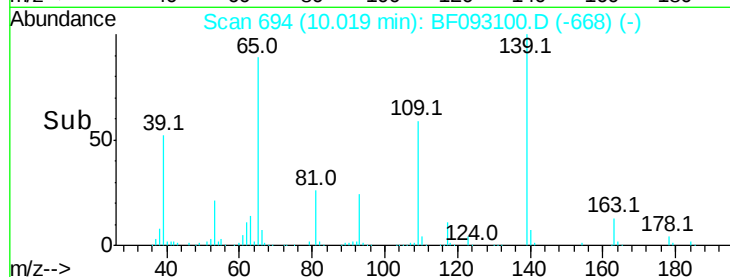
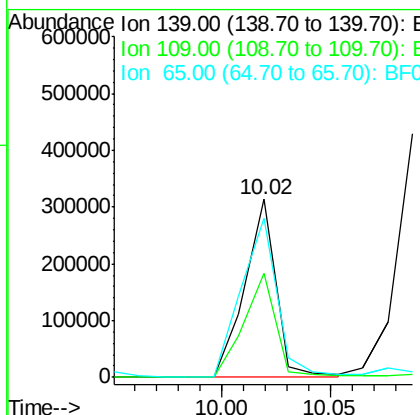
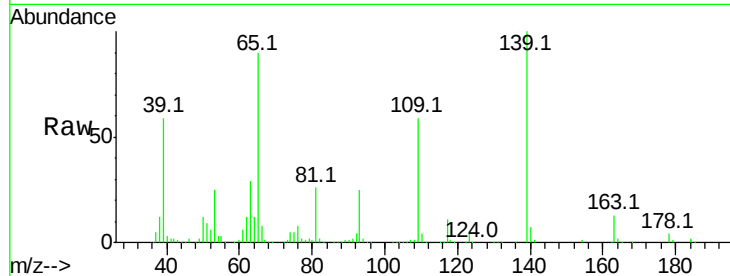
#55
4-Nitrophenol
Concen: 85.50 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Lower	Upper
139	100		
109	58.8	52.2	92.2
65	89.6	85.8	125.8

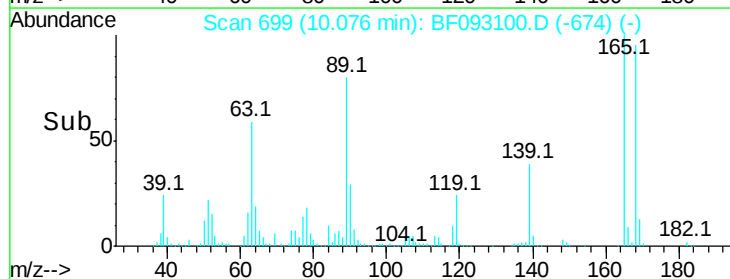
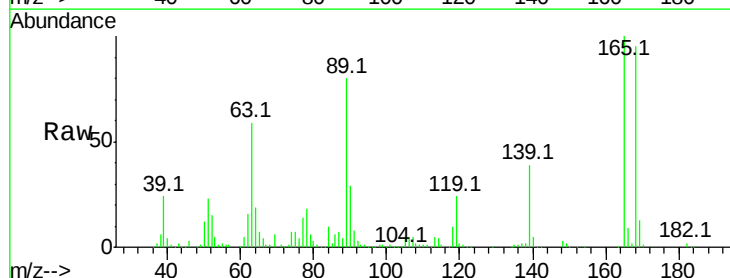
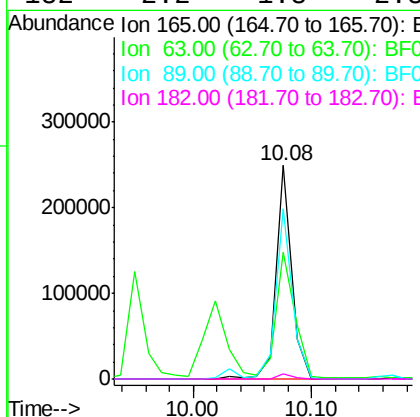
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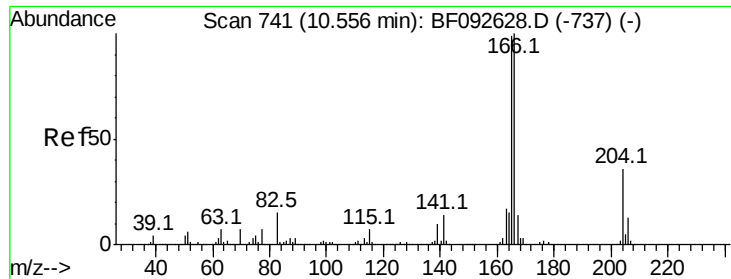
mohammad
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#56
2,4-Dinitrotoluene
Concen: 38.21 ng
RT: 10.08 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	59.3	40.2	60.4
89	80.0	62.5	93.7
182	2.2	1.8	2.8





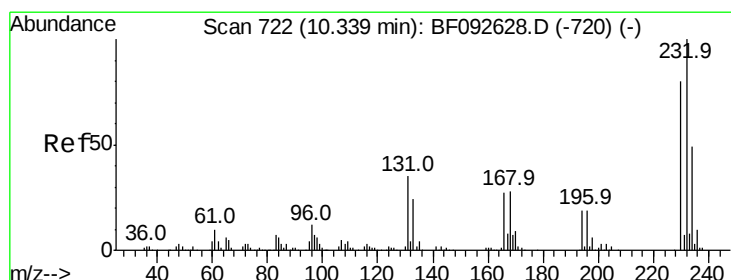
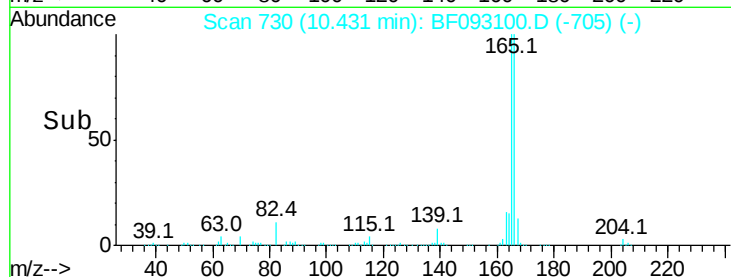
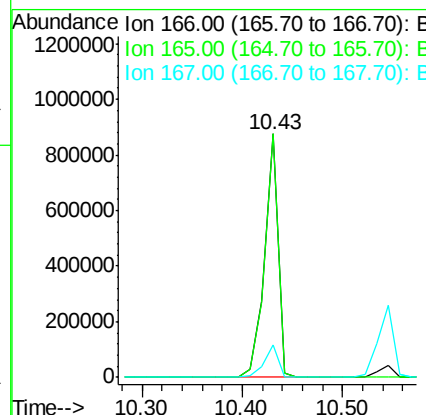
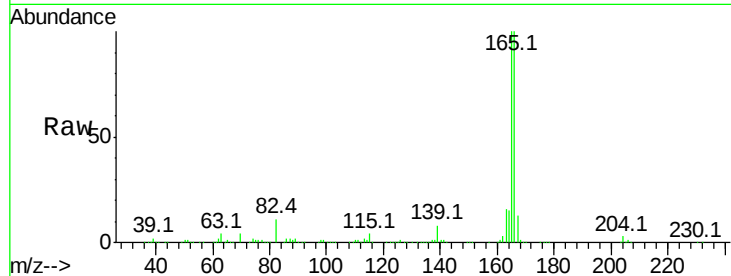
#57
Fluorene
 Concen: 44.75 ng
 RT: 10.43 min Scan# 730
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleID :
 PB97103BS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	823970		
165	99.9	77.8	116.8	
167	13.3	10.8	16.2	

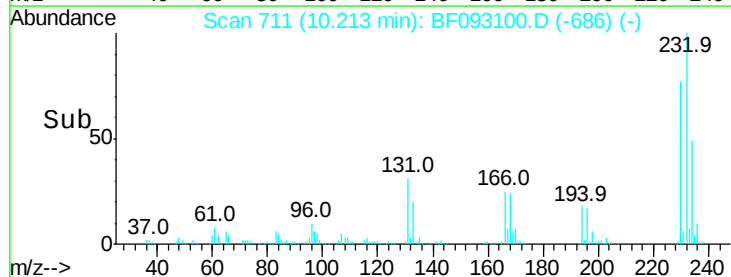
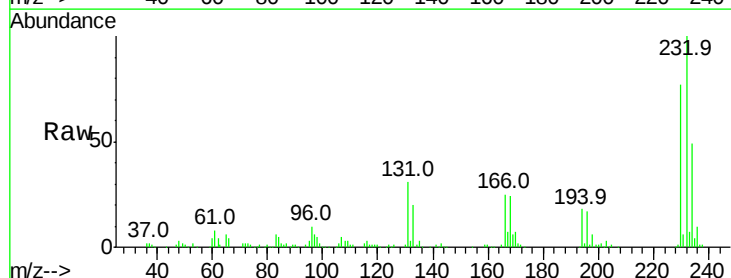
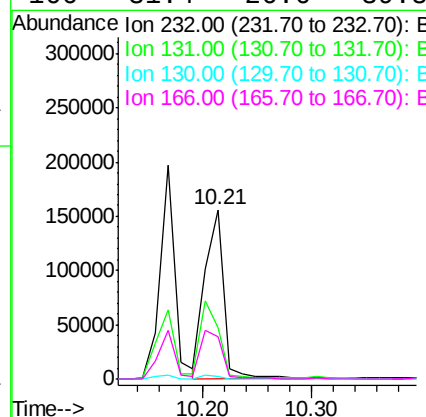
Manual Integrations
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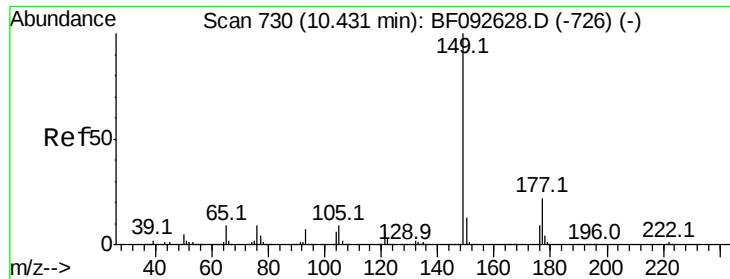
mohammad
 2/24/2017 1:35:26 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 46.26 ng
 RT: 10.21 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	190743		
131	47.4	40.1	60.1	
130	2.1	1.8	2.8	
166	31.4	26.6	39.8	





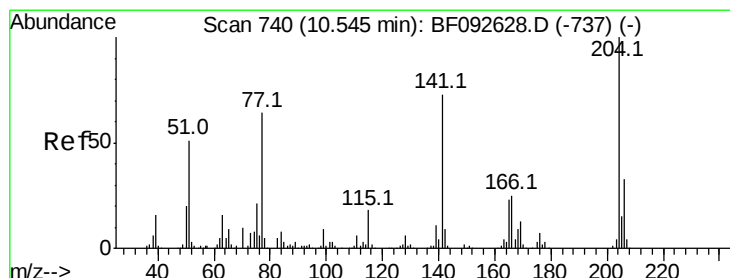
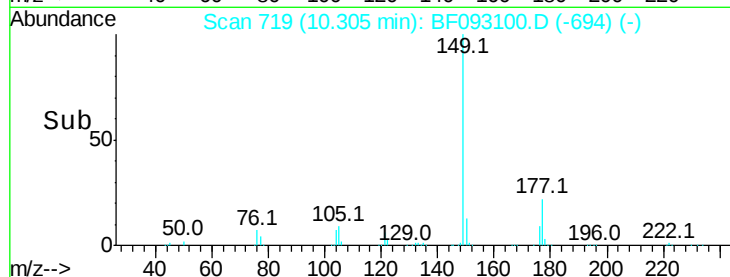
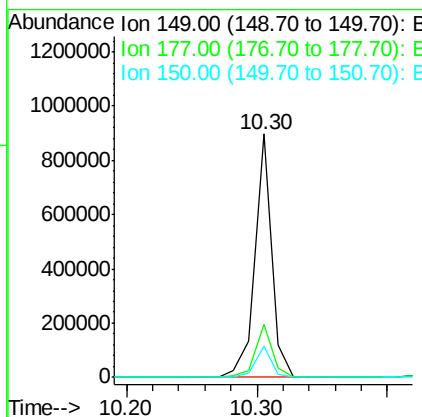
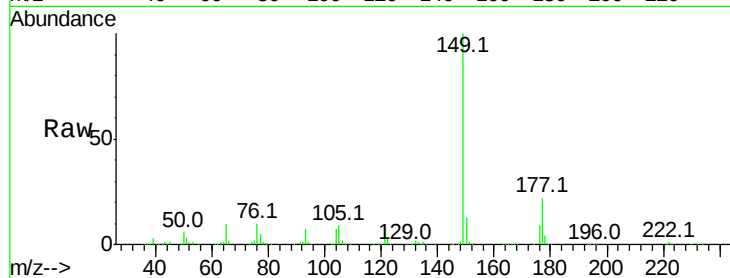
#59
Diethylphthalate
Concen: 41.60 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.6	16.6	25.0
150	12.7	10.4	15.6

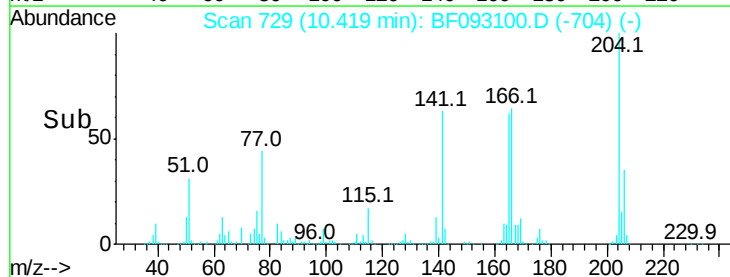
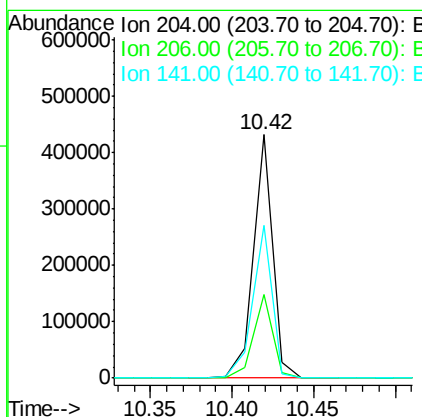
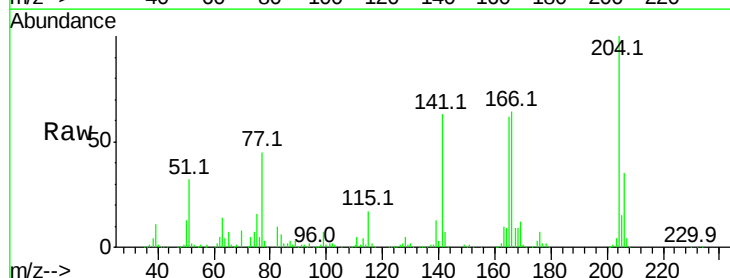
Manual Integrations
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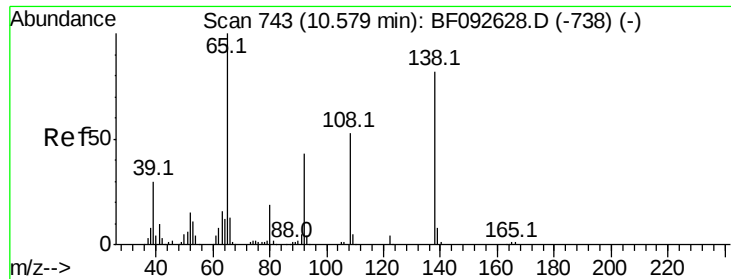
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 40.20 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.5	25.8	38.6
141	62.5	59.4	89.0





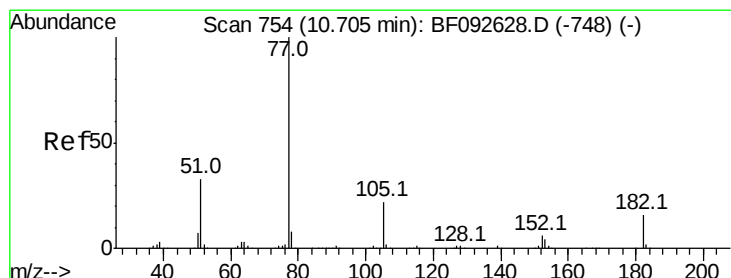
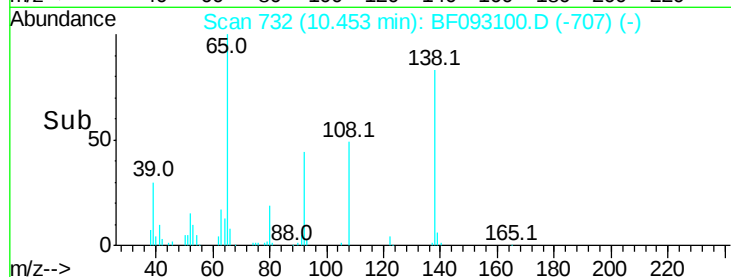
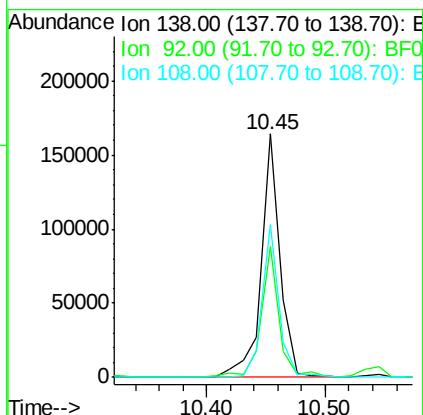
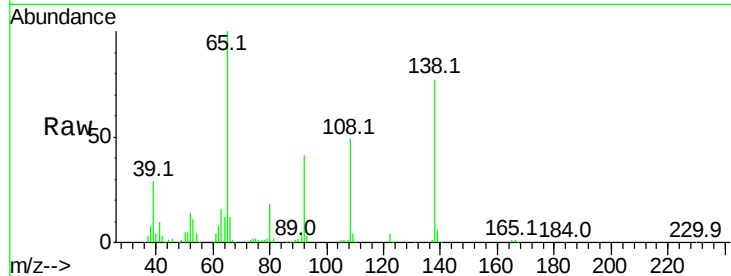
#61
4-Nitroaniline
Concen: 35.05 ng
RT: 10.45 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	53.7	31.7	71.7
108	63.0	52.6	92.6

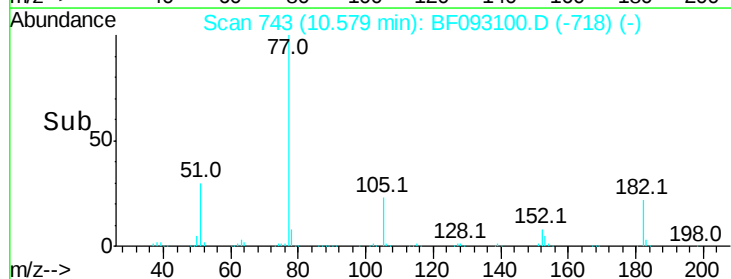
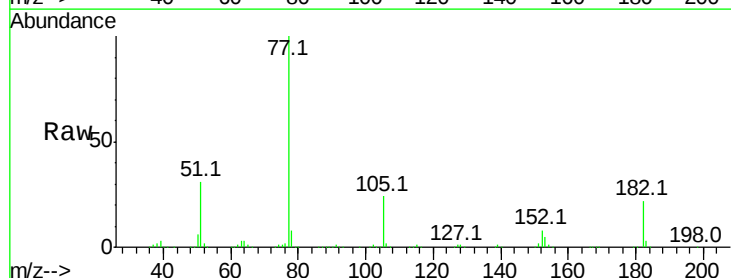
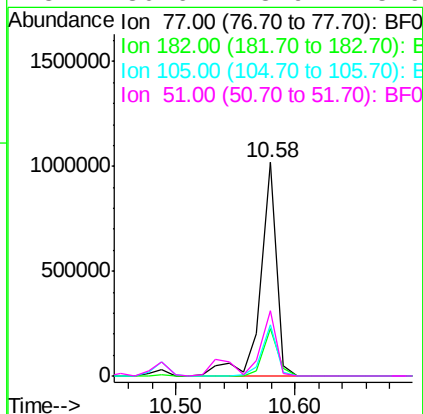
Manual Integrations
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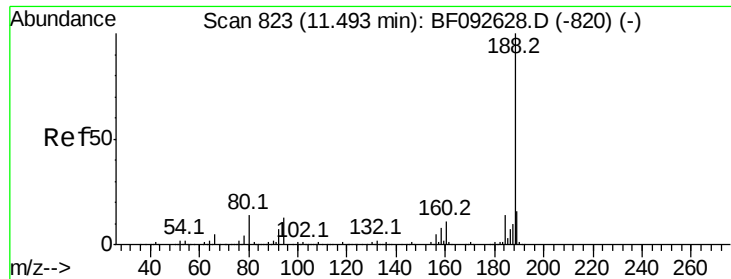
mohammad
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#62
Azobenzene
Concen: 48.15 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.3	0.0	39.3
105	24.0	2.3	42.3
51	30.6	8.9	48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

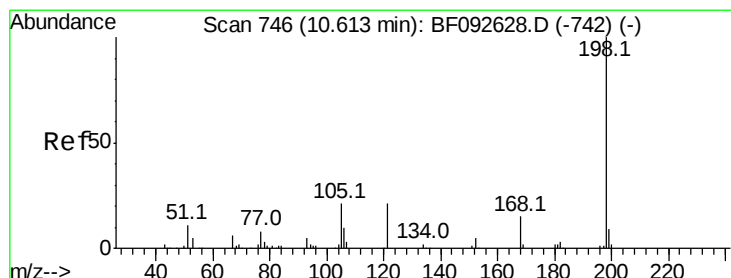
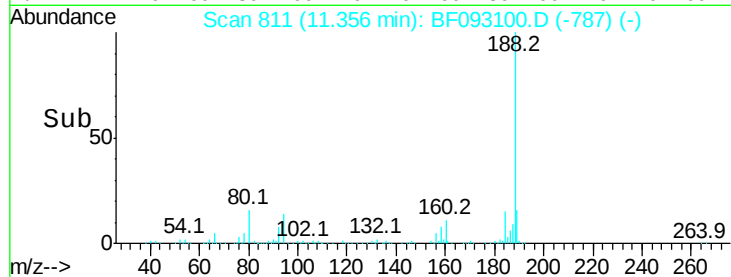
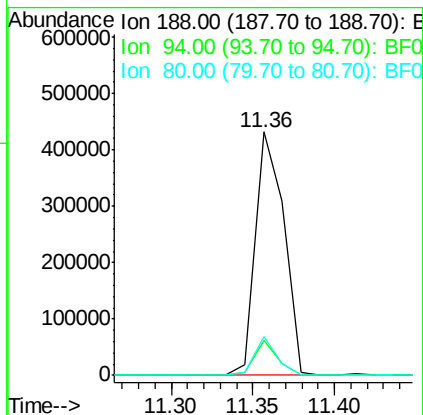
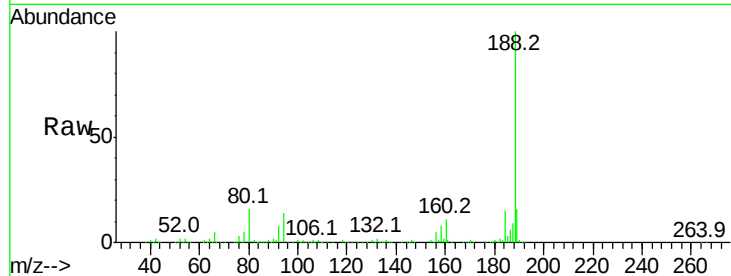
ClientSampleId :

PB97103BS

Tot Ion:188	Resp: 527246
Ion Ratio	Lower Upper
188 100	
94 14.4	10.0 15.0
80 15.7	11.2 16.8

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#64

4,6-Dinitro-2-methylphenol

Concen: 44.11 ng

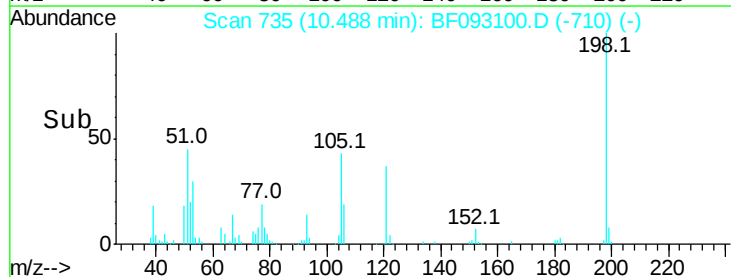
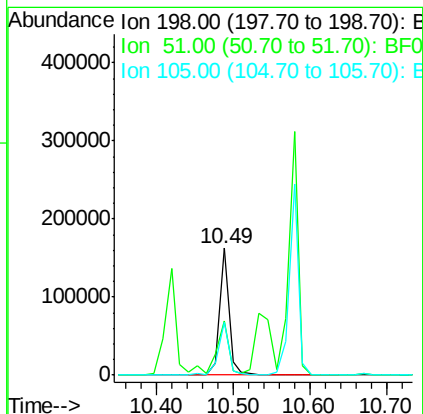
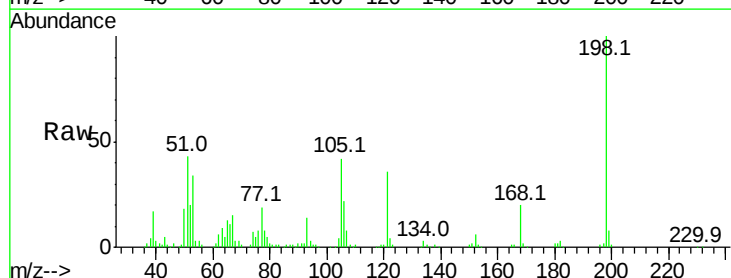
RT: 10.49 min Scan# 735

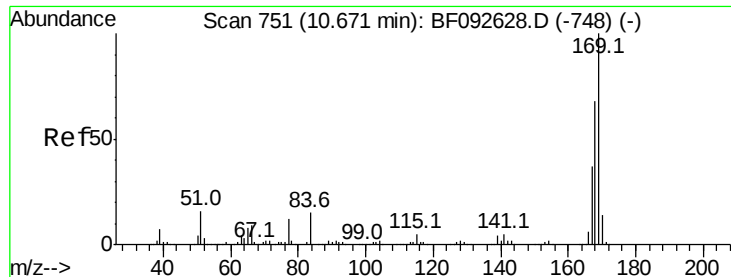
Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion:198	Resp: 140842
Ion Ratio	Lower Upper
198 100	
51 43.2	6.7 46.7
105 41.6	16.6 56.6





#65

n-Nitrosodiphenylamine

Concen: 43.36 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

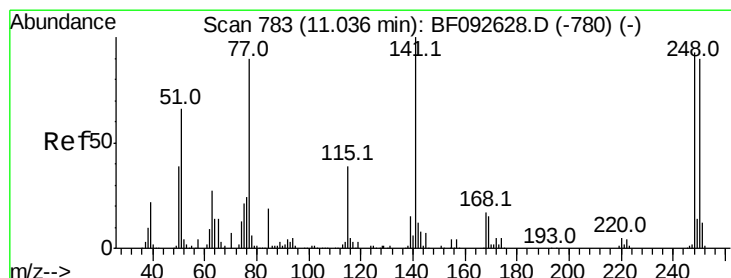
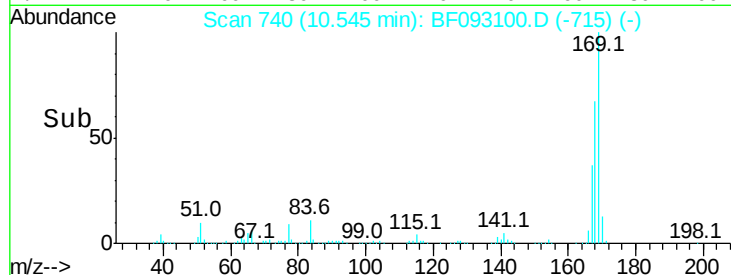
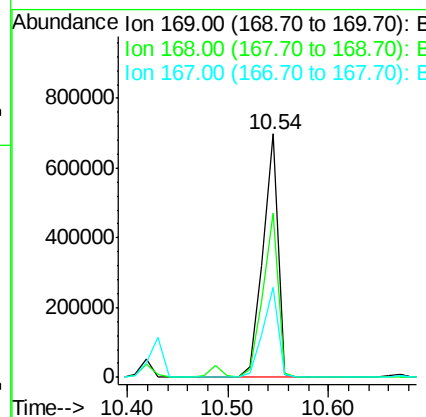
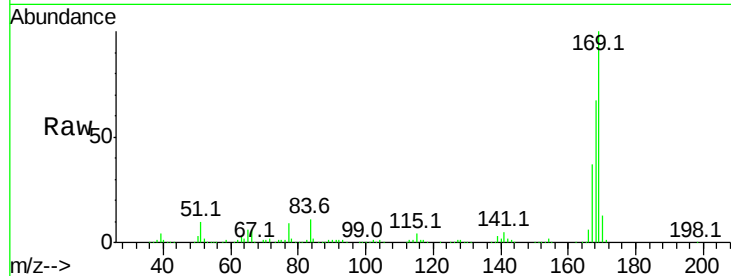
ClientSampleId :

PB97103BS

Tot Ion:	169	Resp:	730304
Ion Ratio	Lower	Upper	
169	100		
168	67.4	54.2	81.2
167	37.1	30.2	45.4

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#66

4-Bromophenyl-phenylether

Concen: 40.76 ng

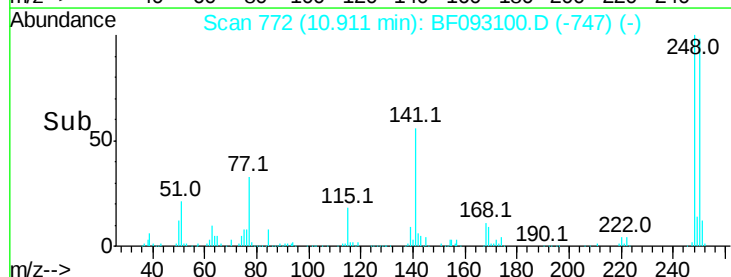
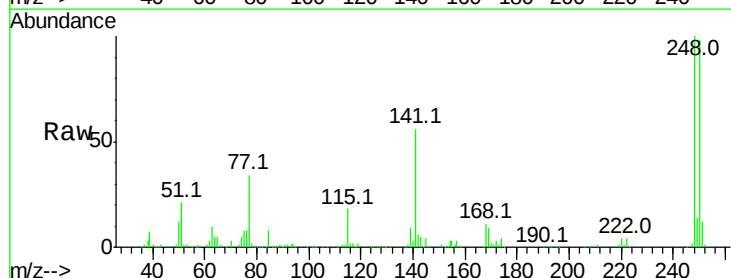
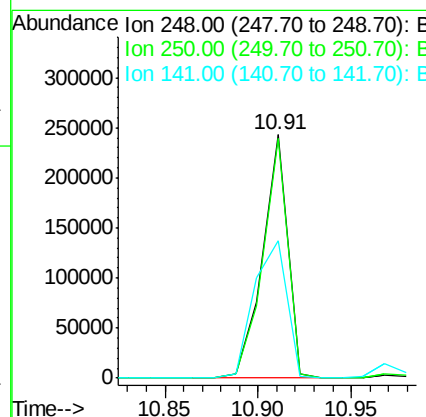
RT: 10.91 min Scan# 772

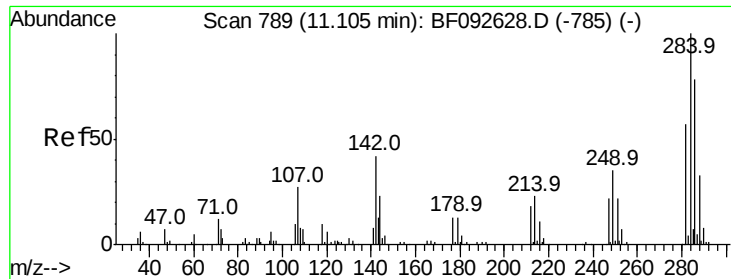
Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion:	248	Resp:	224523
Ion Ratio	Lower	Upper	
248	100		
250	98.4	76.9	115.3
141	56.2	68.2	102.4#





#67

Hexachlorobenzene

Concen: 39.19 ng

RT: 10.98 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

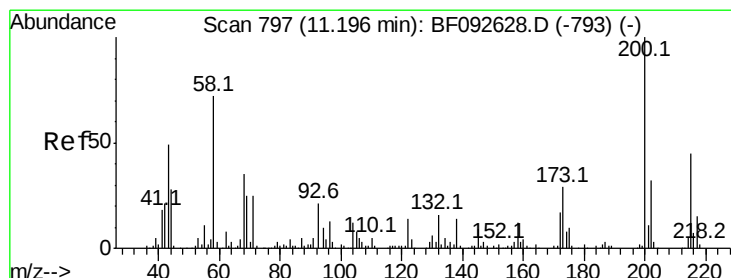
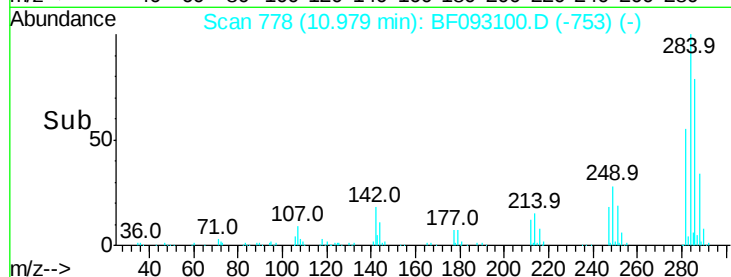
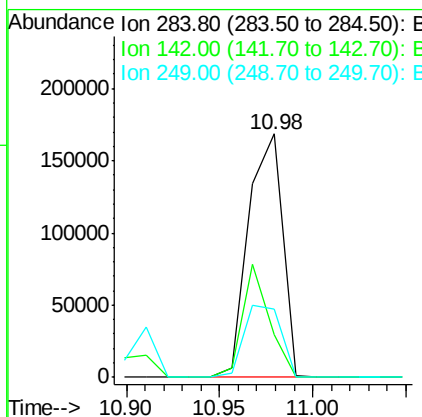
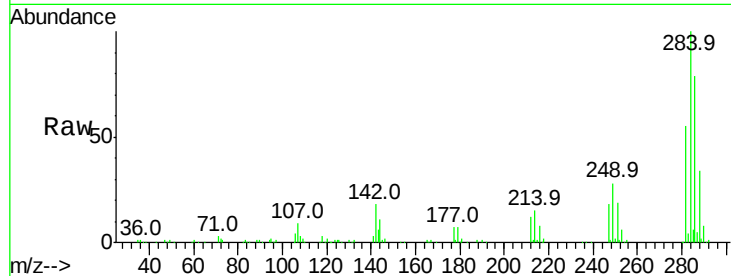
ClientSampleId :

PB97103BS

Tot Ion:	284	Resp:	213324
Ion Ratio	Lower	Upper	
284	100		
142	17.6	22.6	33.8#
249	28.2	25.4	38.0

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#68

Atrazine

Concen: 45.04 ng

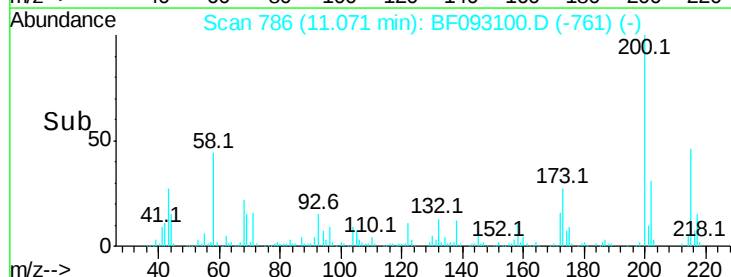
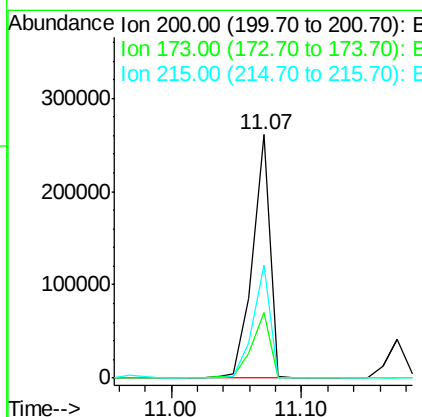
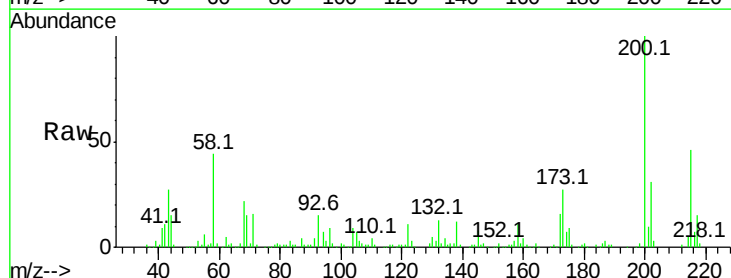
RT: 11.07 min Scan# 786

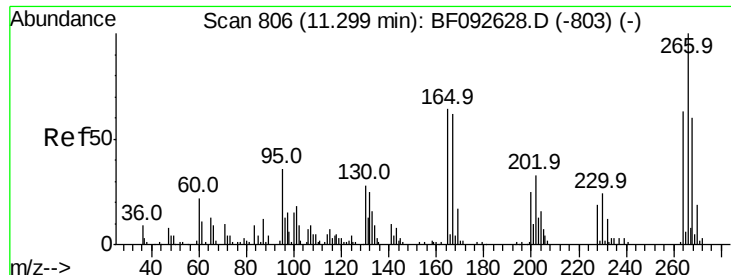
Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion:	200	Resp:	243457
Ion Ratio	Lower	Upper	
200	100		
173	27.2	9.6	49.6
215	46.4	25.7	65.7





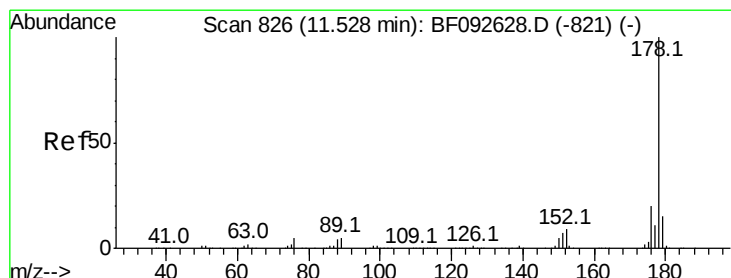
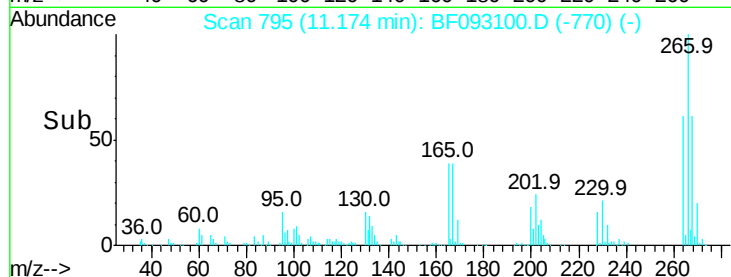
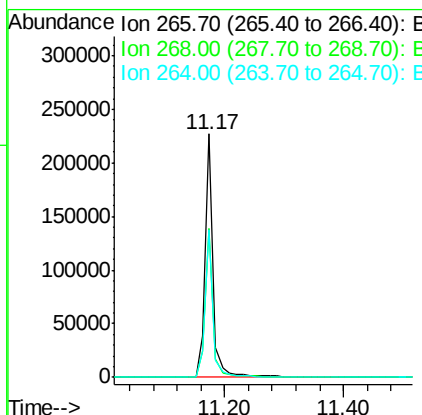
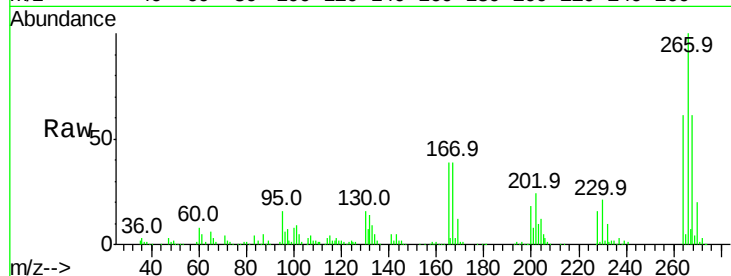
#69
 Pentachlorophenol
 Concen: 79.08 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BS

Tot Ion	Ratio	Lower	Upper
266	100		
268	61.2	53.3	79.9
264	60.6	50.3	75.5

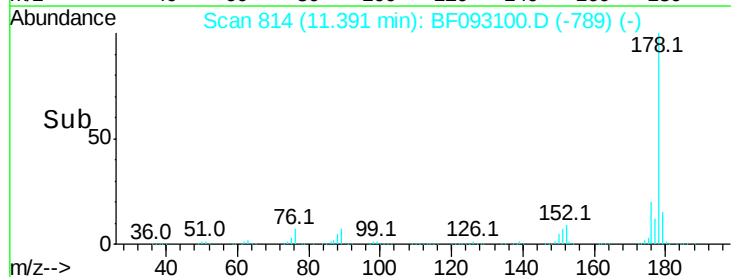
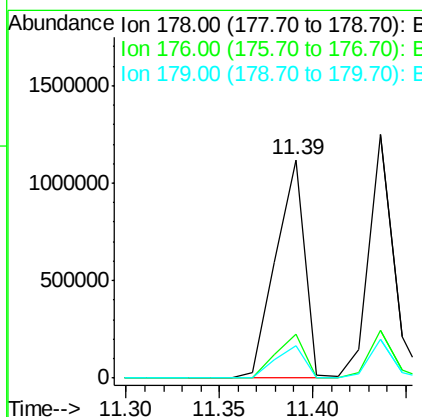
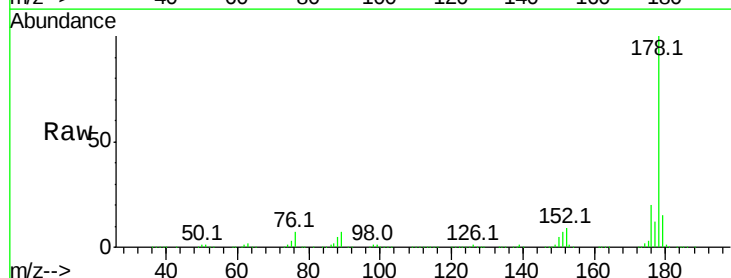
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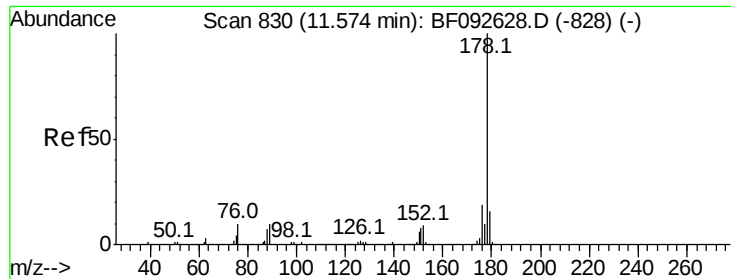
mohammad
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#70
 Phenanthrene
 Concen: 40.02 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	25.0
179	15.0	12.8	19.2





#71

Anthracene

Concen: 36.76 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

ClientSampleId :

PB97103BS

Tot Ion:178 Resp: 1115232

Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

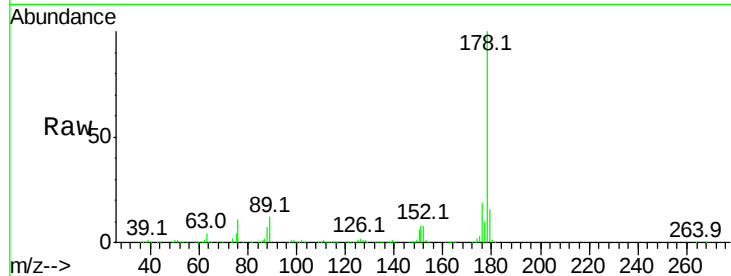
179 15.9 13.2 19.8

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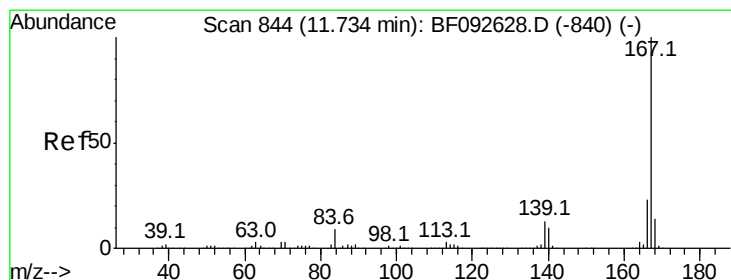
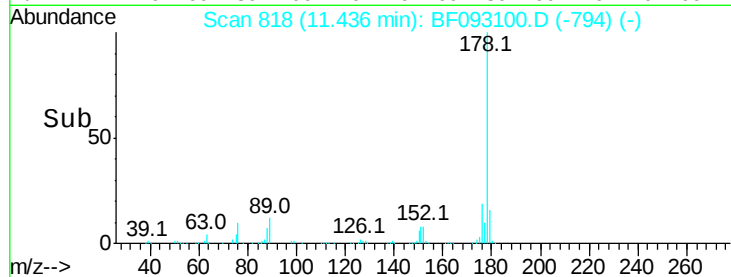
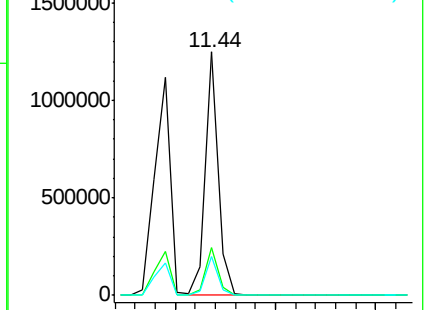
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 38.03 ng

RT: 11.60 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

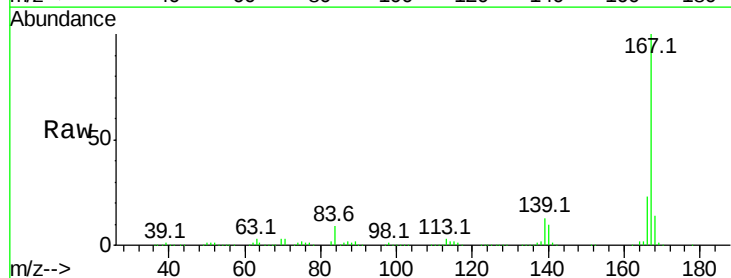
Tgt Ion:167 Resp: 1102803

Ion Ratio Lower Upper

167 100

166 22.6 18.2 27.2

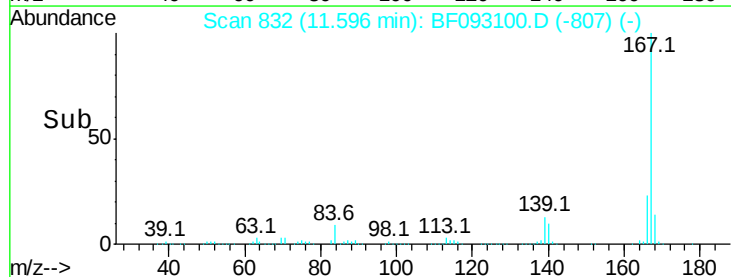
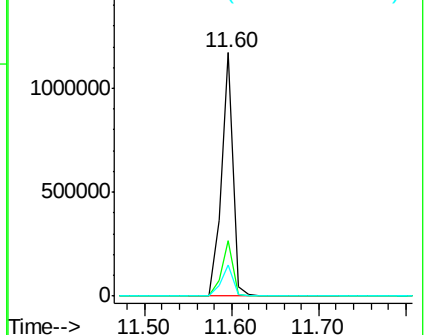
139 12.8 11.4 17.2

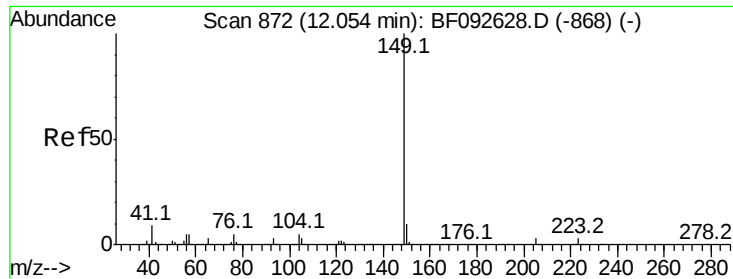


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 42.21 ng

RT: 11.93 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

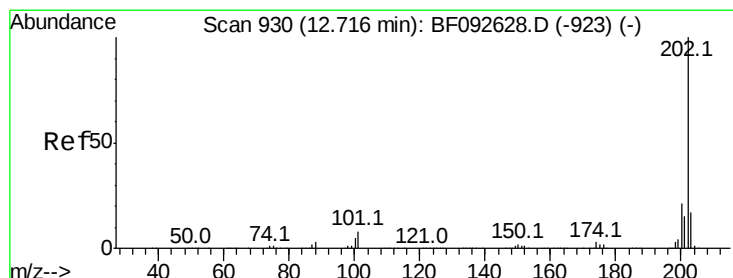
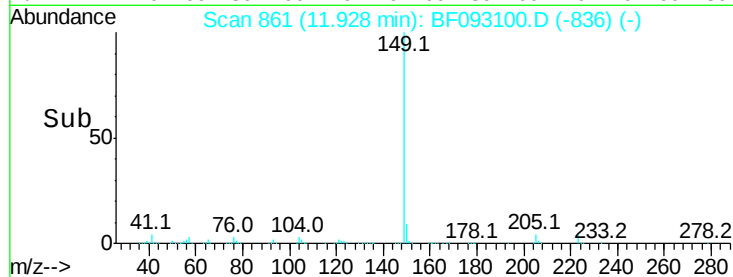
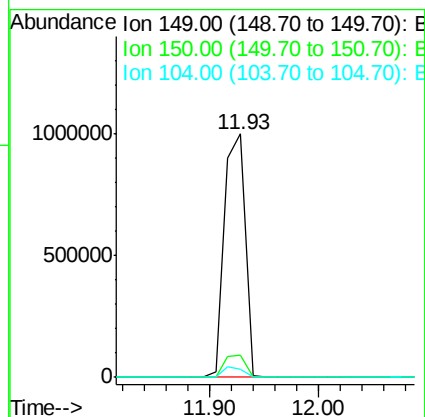
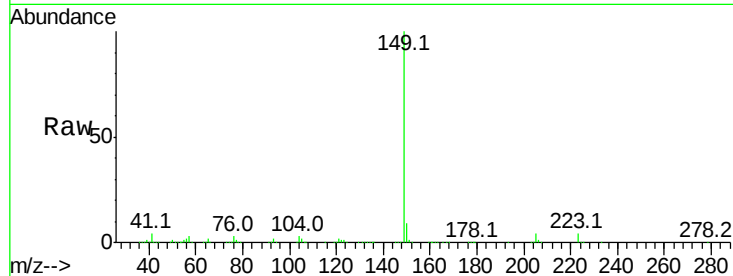
ClientSampleId :

PB97103BS

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.0	8.1	12.1
104	3.4	4.6	7.0

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#74

Fluoranthene

Concen: 33.72 ng

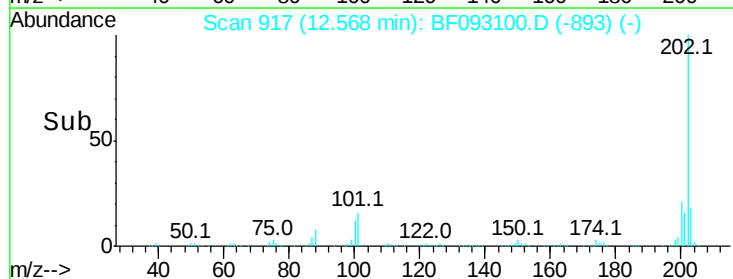
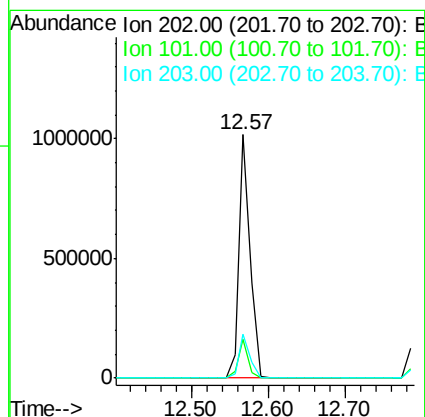
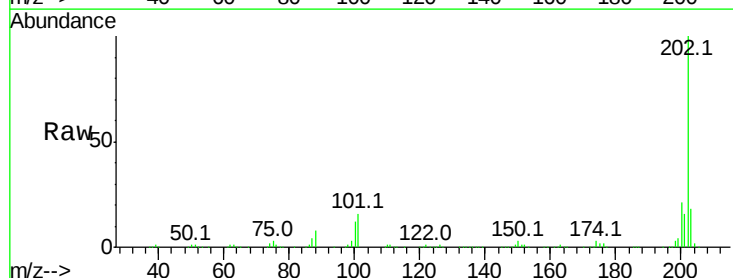
RT: 12.57 min Scan# 917

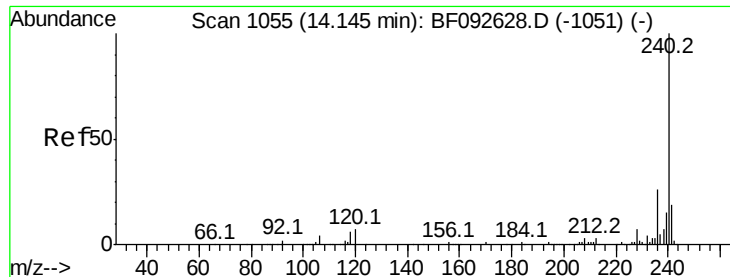
Delta R.T. -0.02 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	34.6
203	18.2	0.0	38.7





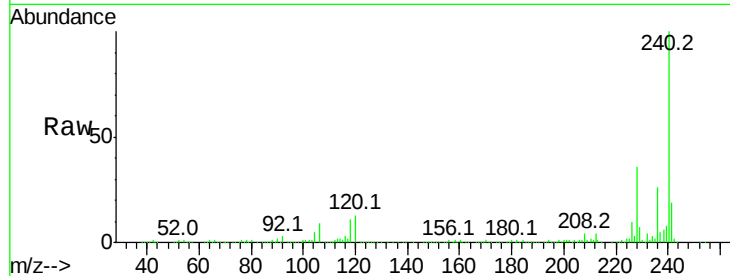
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

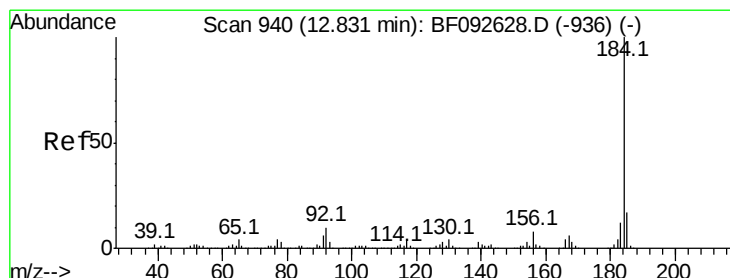
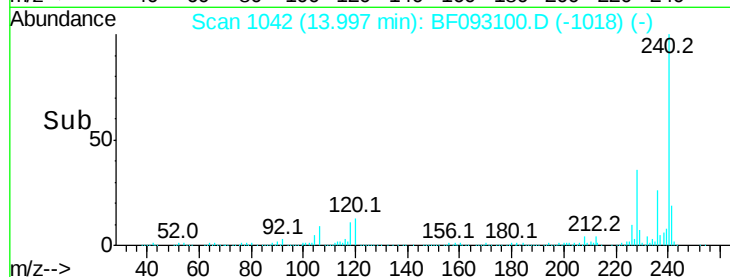
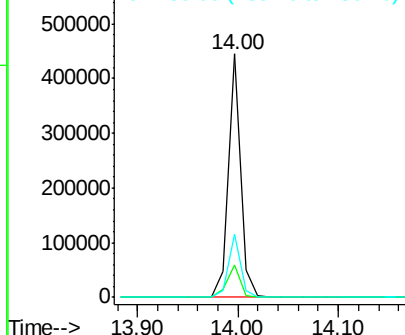
Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.3	12.9	19.3	
236	26.0	20.9	31.3	

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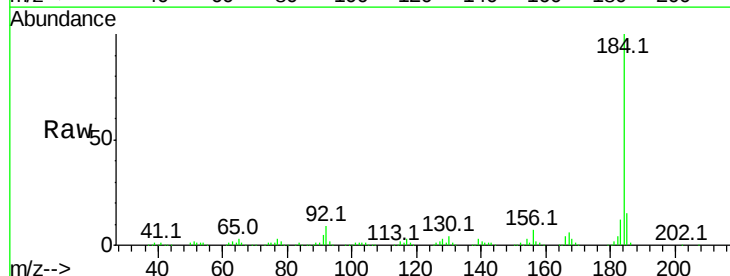


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

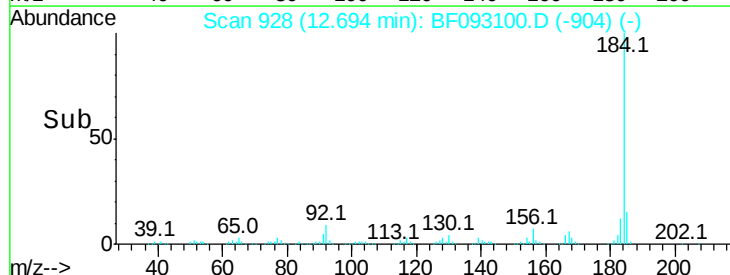
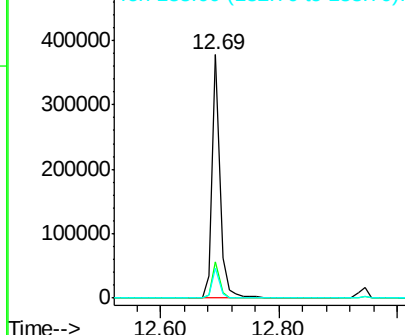


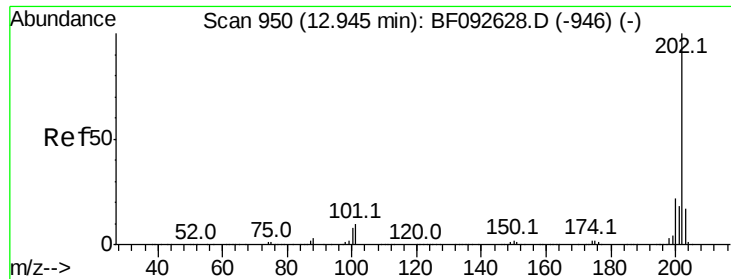
#76
Benzidine
Concen: 21.73 ng
RT: 12.69 min Scan# 928
Delta R.T. -0.02 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	15.0	13.4	20.0	
183	12.3	9.2	13.8	



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 37.13 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Instrument :

BNA_F

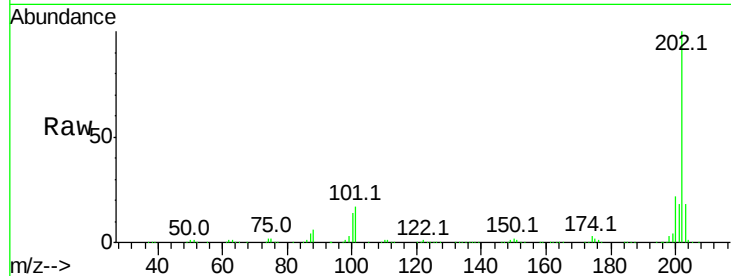
ClientSampleId :

PB97103BS

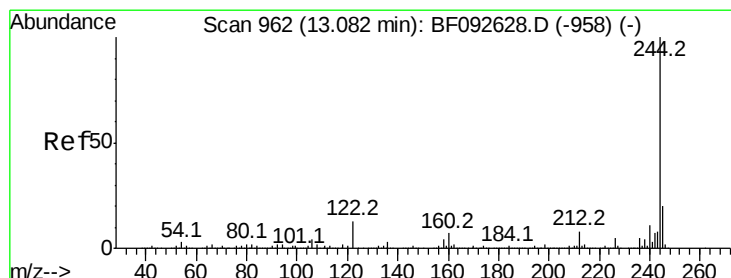
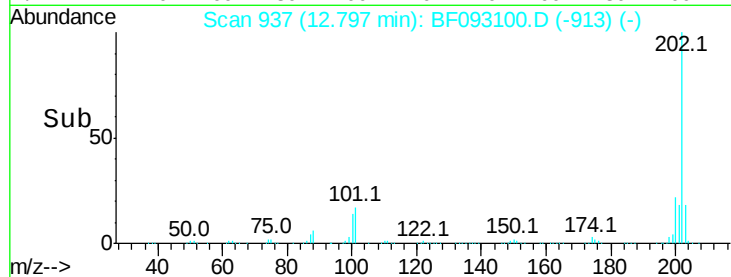
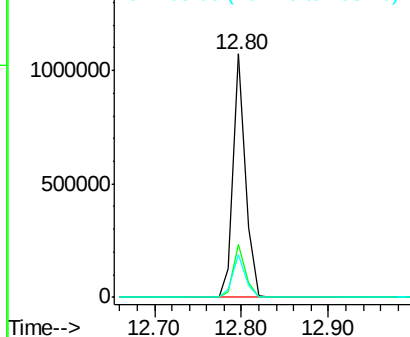
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	17.7	14.7	22.1

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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: 81.97 ng

RT: 12.95 min Scan# 950

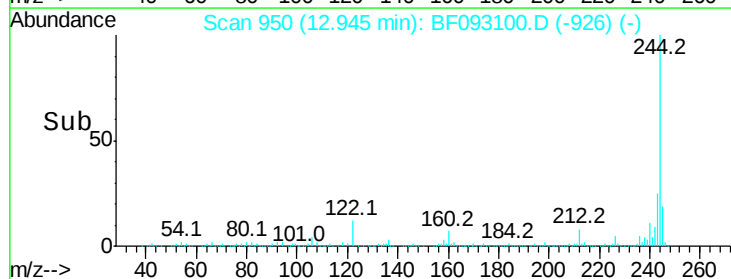
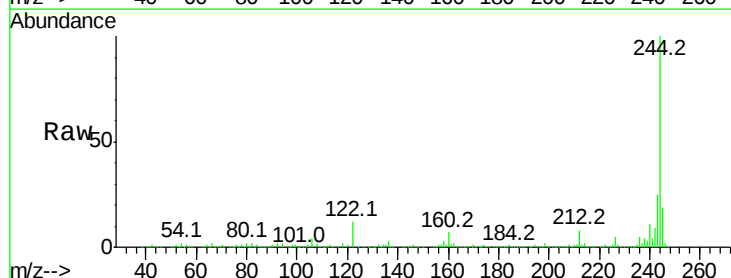
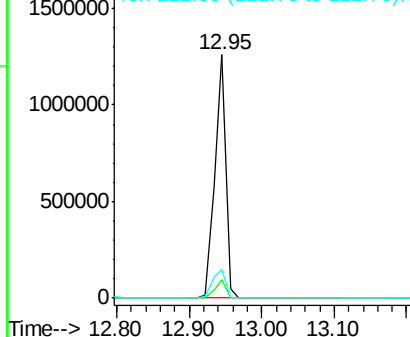
Delta R.T. -0.02 min

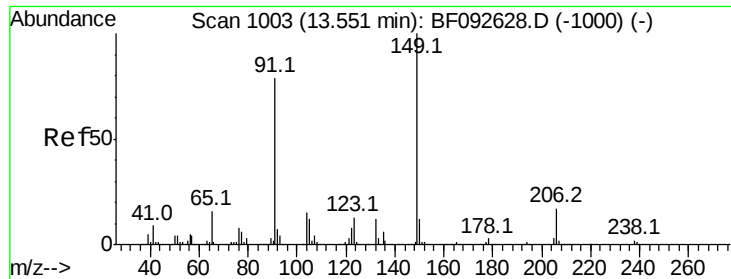
Lab File: BF093100.D

Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	11.8	11.4	17.2

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





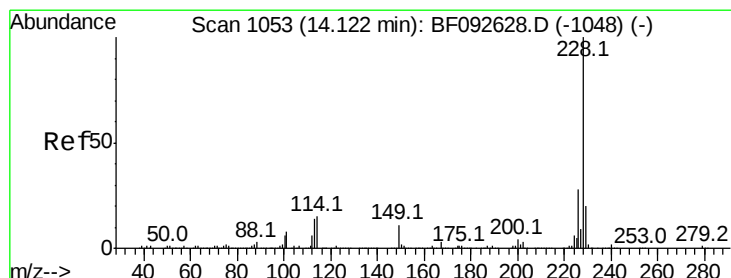
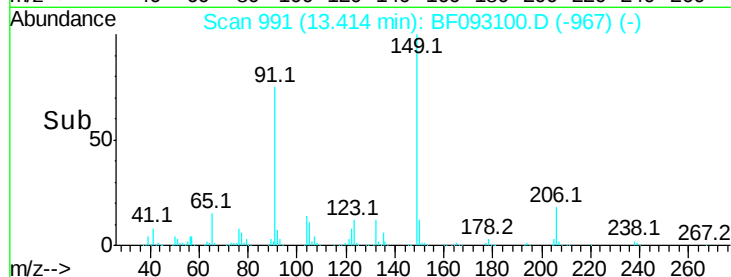
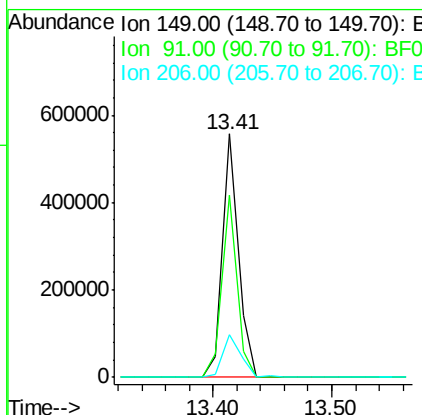
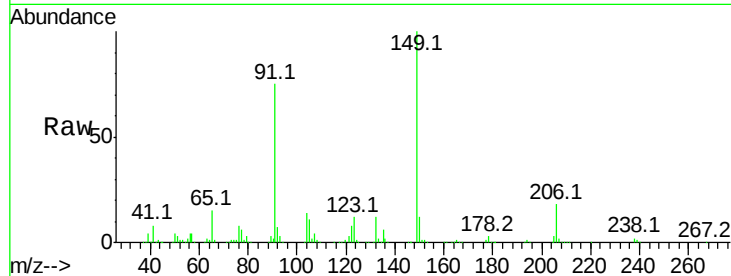
#79
Butylbenzylphthalate
Concen: 44.99 ng
RT: 13.41 min Scan# 991
Delta R.T. -0.02 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	514161		
91	75.0	63.9	95.9	
206	17.7	14.6	21.8	

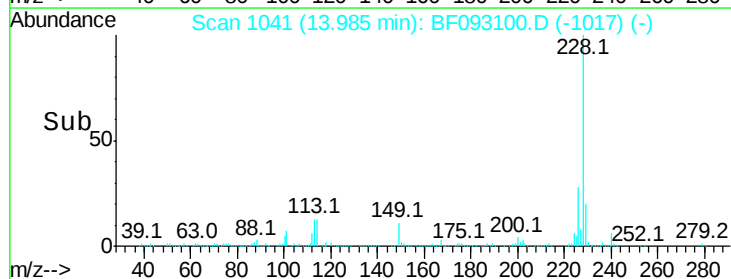
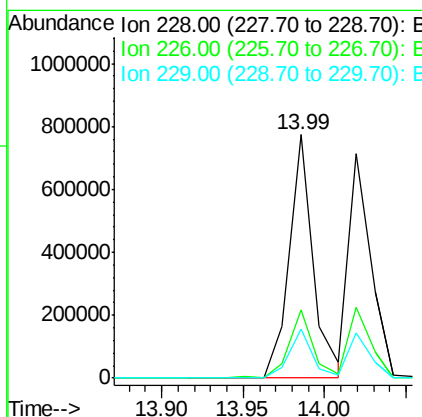
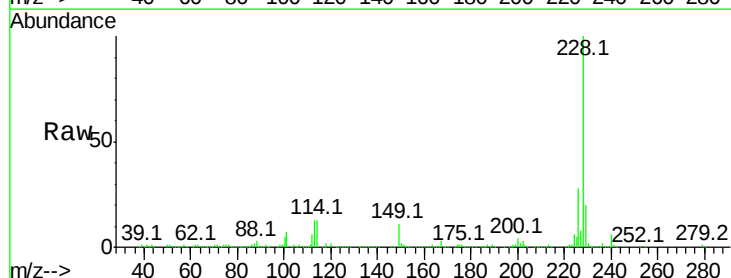
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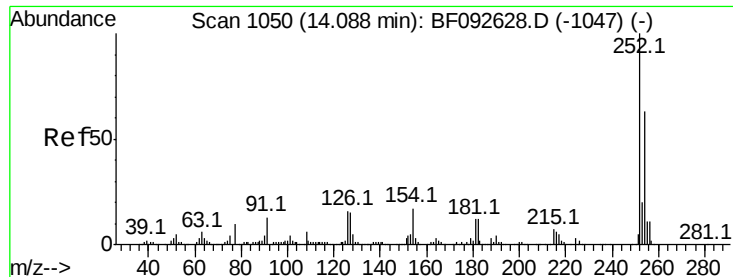
mohammad
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#80
Benzo(a)anthracene
Concen: 34.26 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.02 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	788013		
226	28.3	22.4	33.6	
229	19.9	16.2	24.4	





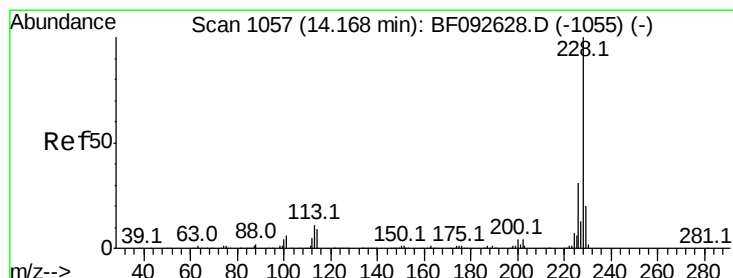
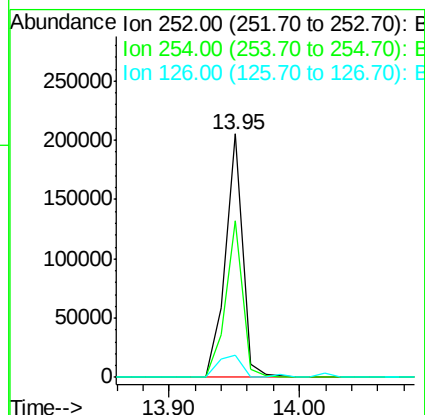
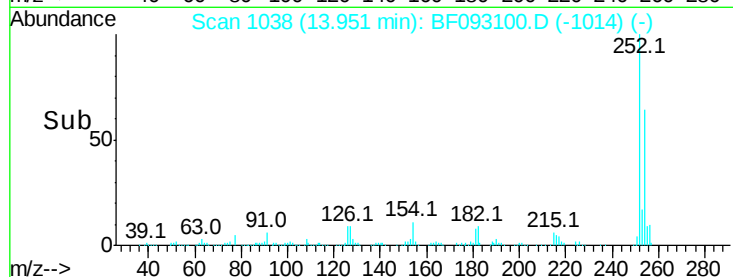
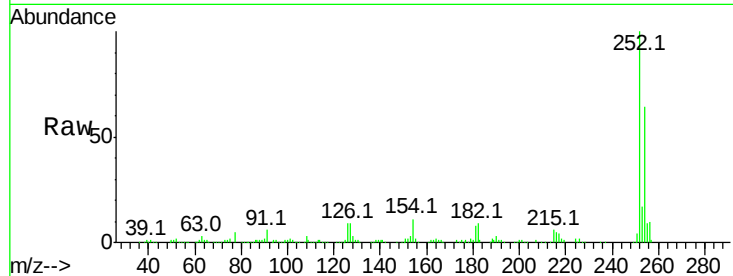
#81
 3,3'-Dichlorobenzidine
 Concen: 23.34 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampled :
 PB97103BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	191347		
254	64.2	52.3	78.5	
126	9.0	13.6	20.4	

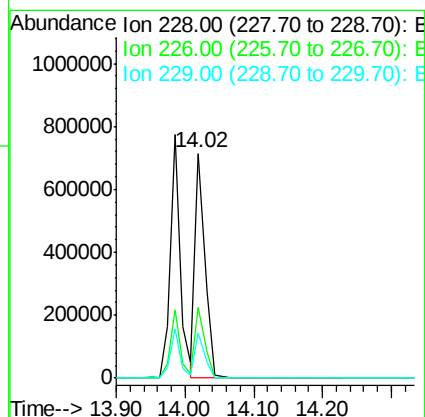
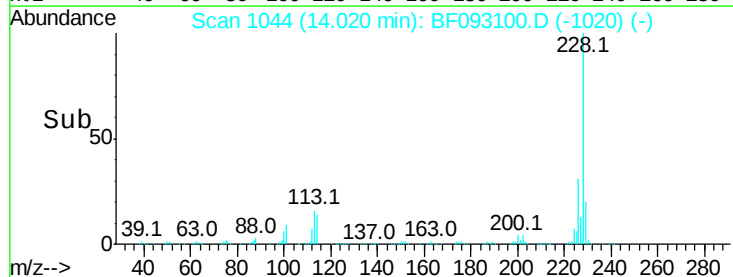
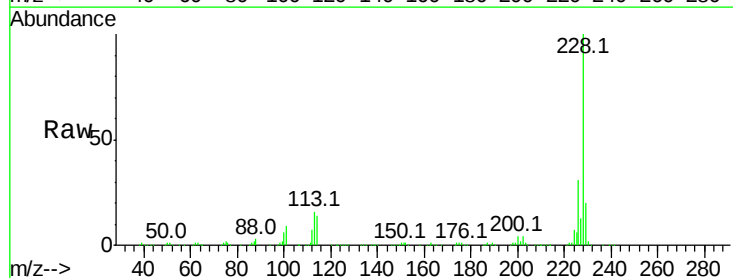
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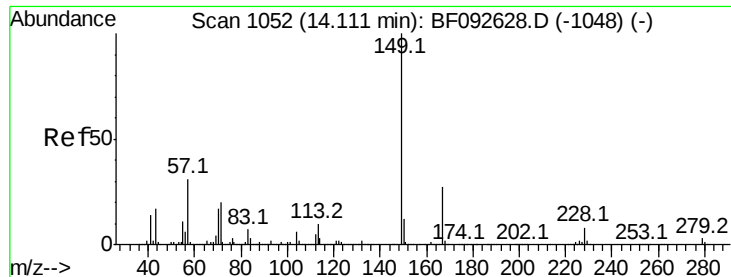
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#82
 Chrysene
 Concen: 32.31 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.02 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	695888		
226	31.4	25.4	38.0	
229	19.8	16.2	24.2	





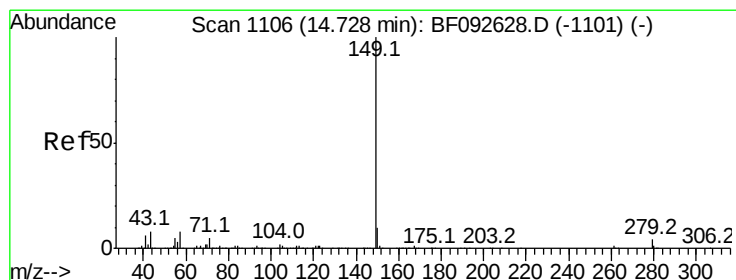
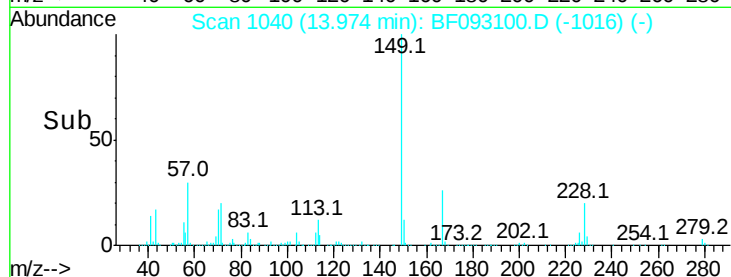
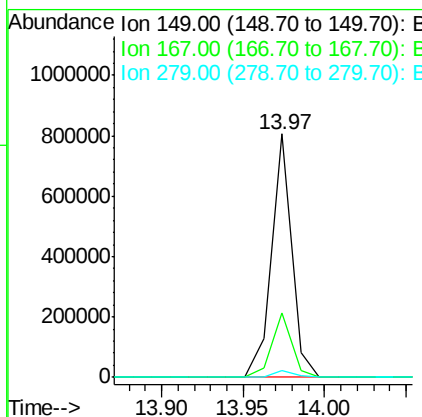
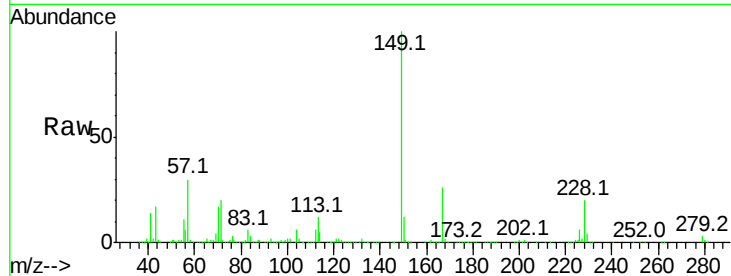
#83
Bis(2-ethylhexyl)phthalate
Concen: 44.77 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.2	30.4
279	2.8	1.8	2.8#

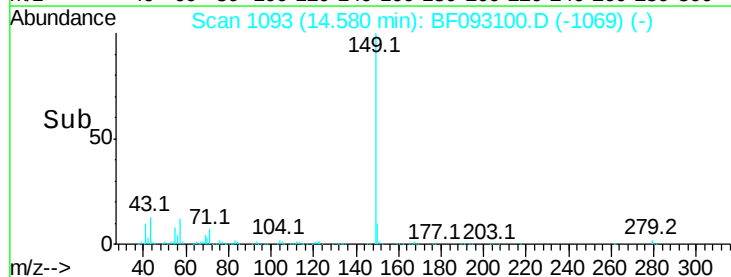
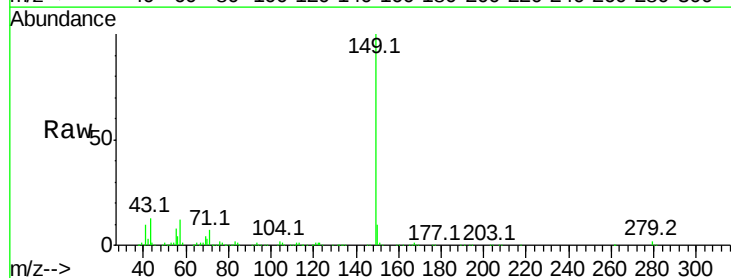
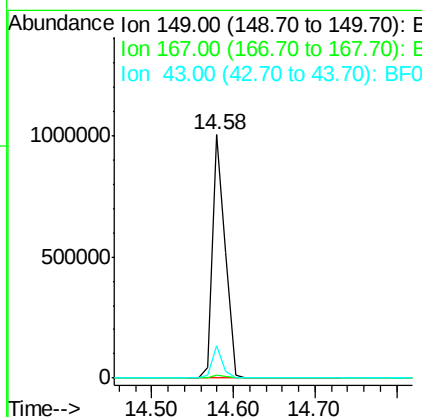
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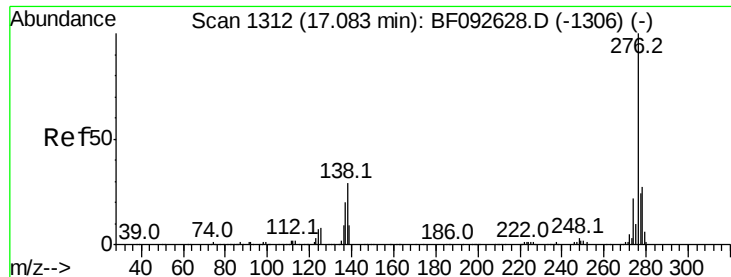
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#84
Di-n-octyl phthalate
Concen: 42.81 ng
RT: 14.58 min Scan# 1093
Delta R.T. -0.02 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.2	8.9	13.3





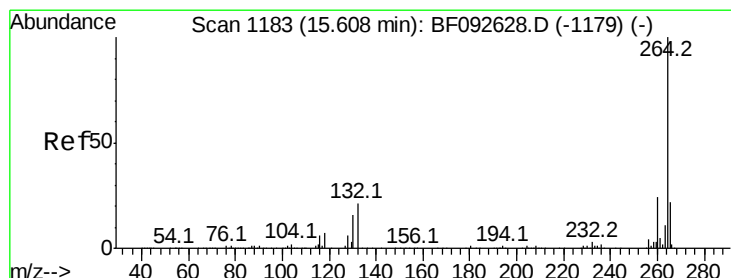
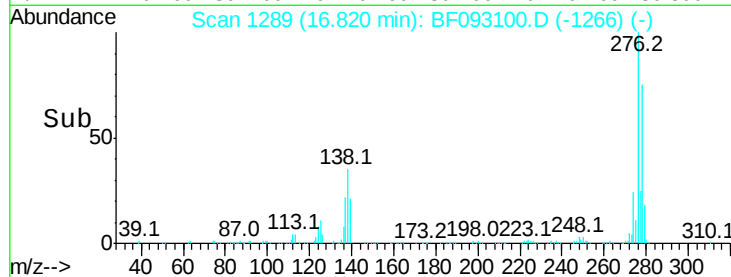
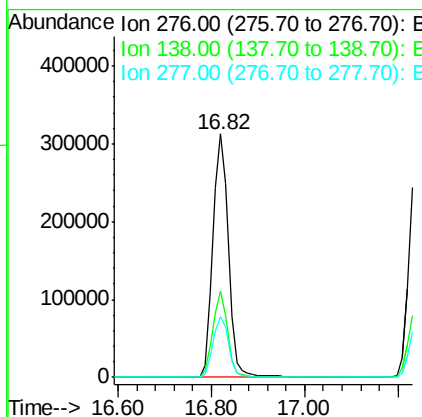
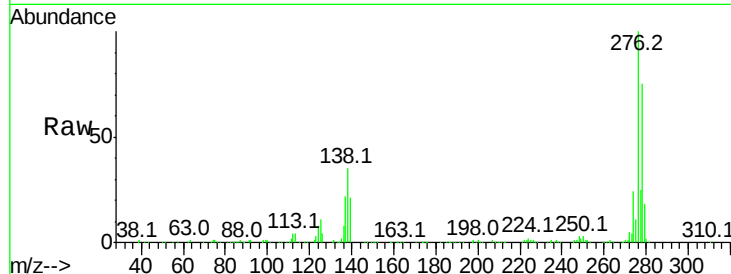
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 43.80 ng
 RT: 16.82 min Scan# 1289
 Delta R.T. -0.03 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.7	21.8	32.6#
277	25.2	20.2	30.4

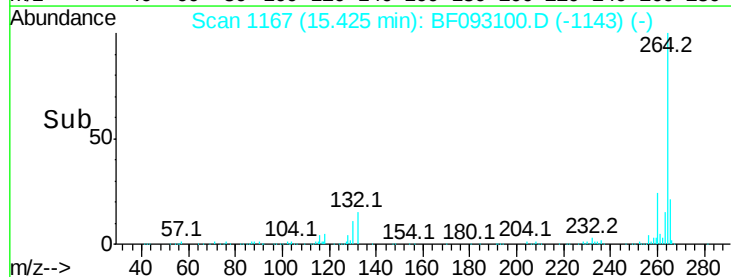
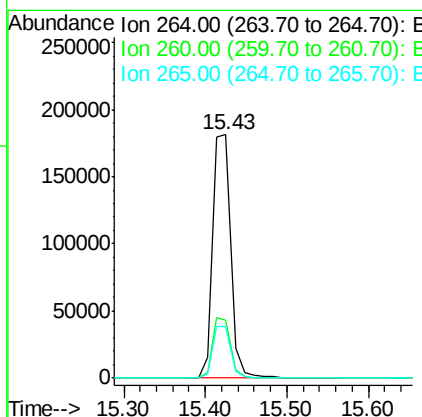
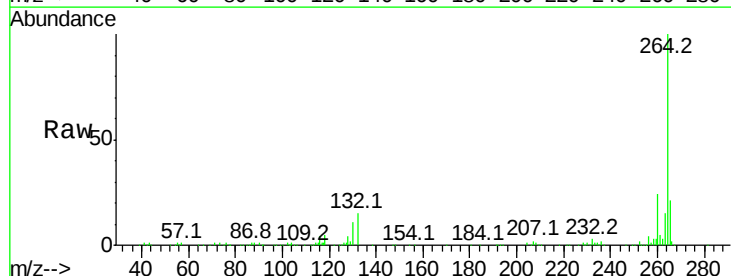
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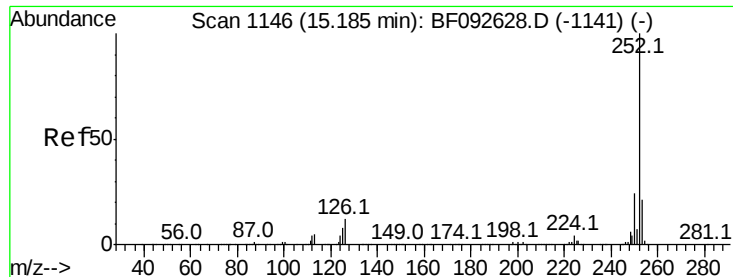
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.2	17.4	26.0





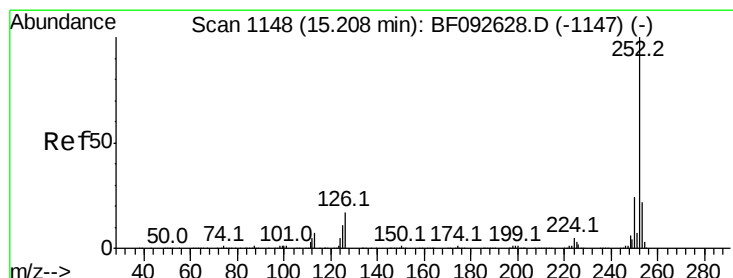
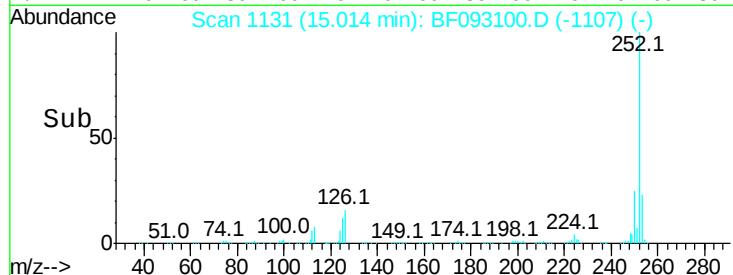
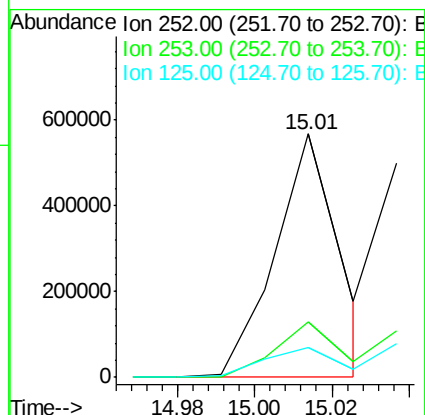
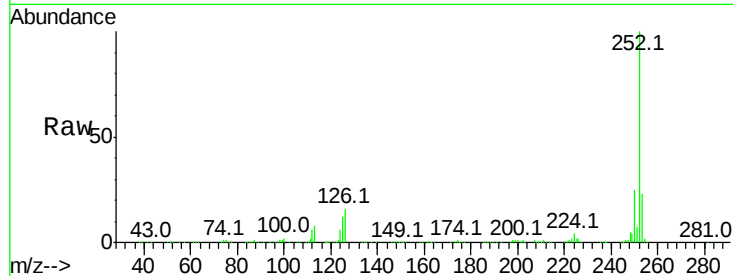
#87
Benzo(b)fluoranthene
Concen: 35.36 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PB97103BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	12.2	9.8	14.6

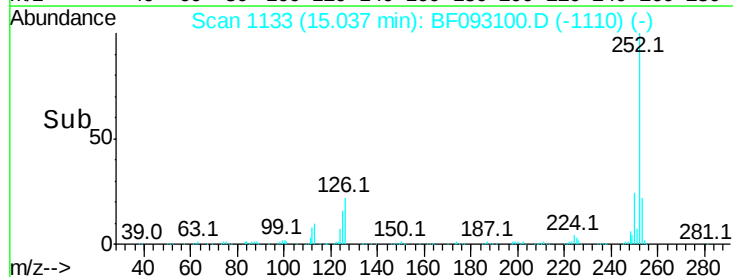
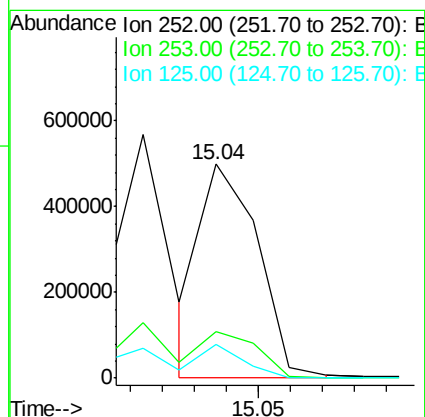
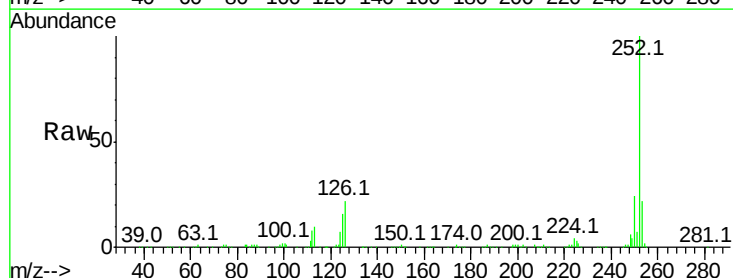
Manual Integrations
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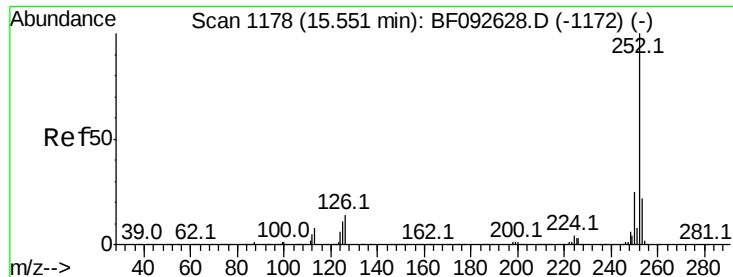
mohammad
2/24/2017 1:35:26 PM



#88
Benzo(k)fluoranthene
Concen: 38.59 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.5	27.7
125	15.7	8.9	13.3#





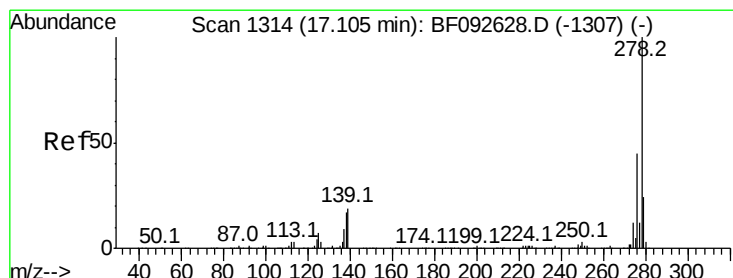
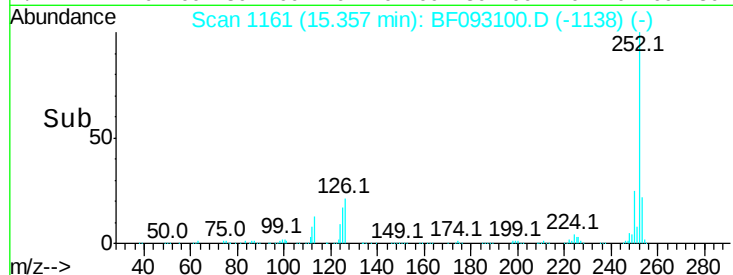
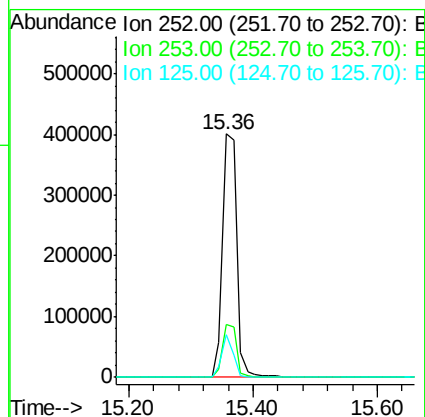
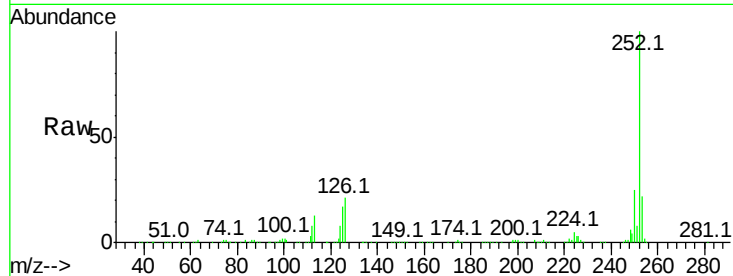
#89
Benzo(a)pyrene
Concen: 39.37 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

Instrument :
BNA_F
ClientSampleID :
PB97103BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	17.3	10.0	15.0

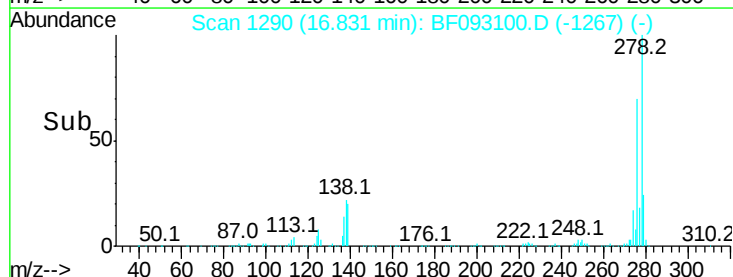
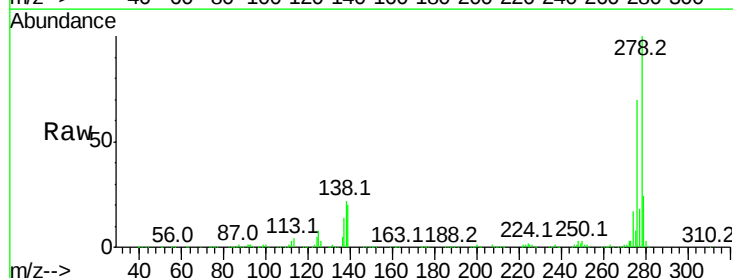
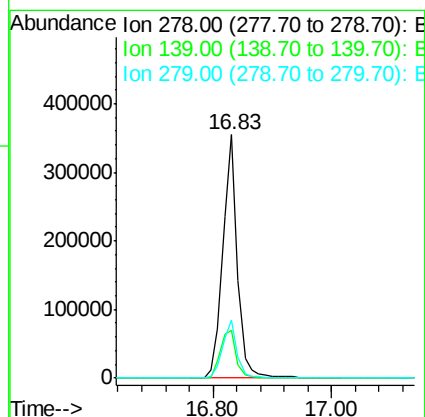
Manual Integrations
APPROVED

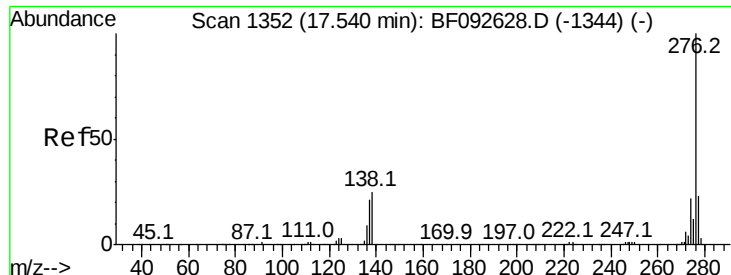
mohammad
2/24/2017 1:35:26 PM



#90
Dibenzo(a,h)anthracene
Concen: 46.85 ng
RT: 16.83 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BF093100.D
Acq: 23 Feb 2017 10:39

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





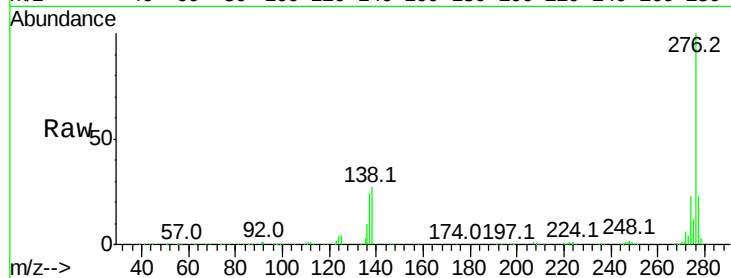
#91
 Benzo(a,h,i)perylene
 Concen: 48.75 ng
 RT: 17.24 min Scan# 1326
 Delta R.T. -0.05 min
 Lab File: BF093100.D
 Acq: 23 Feb 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 PB97103BS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.4	19.2	28.8
138	27.1	16.0	24.0

Manual Integrations
 APPROVED

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 2/24/2017 1:35:26 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

