

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094341.D
 Acq On : 11 Apr 2017 6:25
 Operator : SJ/MA
 Sample : I2598-03MSD
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Manual Integrations
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mohammad
 4/11/2017 12:53:38 PM

Quant Time: Apr 11 07:23:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.84	152	151640	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	596064	20.00	ng	-0.02
38) Acenaphthene-d10	9.48	164	260047	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	424106	20.00	ng	-0.02
75) Chrysene-d12	14.56	240	284905	20.00	ng	-0.02
86) Perylene-d12	16.18	264	247507	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	4.40	112	1243139	138.46	ng	0.02
7) Phenol-d6	5.48	99	1588225	143.00	ng	0.02
23) Nitrobenzene-d5	6.49	82	1014132	97.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	302165	147.04	ng	-0.01
44) 2-Fluorobiphenyl	8.67	172	1590860	93.31	ng	-0.02
78) Terphenyl-d14	13.28	244	1162465	91.46	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.22	88	170174	39.45	ng	98
3) Pyridine	2.71	79	252520	21.48	ng	99
4) n-Nitrosodimethylamine	2.68	42	236833	48.96	ng	88
6) Aniline	5.46	93	328921	21.29	ng	# 90
8) 2-Chlorophenol	5.62	128	507025	51.38	ng	96
9) Benzaldehyde	5.33	77	189163	25.22	ng	98
10) Phenol	5.49	94	697947	55.22	ng	92
11) bis(2-Chloroethyl)ether	5.55	93	493469	49.96	ng	98
12) 1,3-Dichlorobenzene	5.77	146	541675	48.93	ng	99
13) 1,4-Dichlorobenzene	5.86	146	551040	49.15	ng	96
14) 1,2-Dichlorobenzene	6.03	146	498362	48.27	ng	97
15) Benzyl Alcohol	6.02	79	389338	47.89	ng	100
16) 2,2'-oxybis(1-Chloropropan	6.17	45	638364	41.94	ng	# 35
17) 2-Methylphenol	6.17	107	407568	48.22	ng	# 90
18) Hexachloroethane	6.42	117	191273	48.54	ng	# 83
19) n-Nitroso-di-n-propylamine	6.33	70	367260	51.45	ng	96
20) 3+4-Methylphenols	6.36	107	565998	55.30	ng	# 63
22) Acetophenone	6.32	105	714720	53.80	ng	# 86
24) Nitrobenzene	6.52	77	517620	50.25	ng	94
25) Isophorone	6.80	82	916993	49.96	ng	# 94
26) 2-Nitrophenol	6.89	139	284294	57.87	ng	94
27) 2,4-Dimethylphenol	6.97	122	446552	52.76	ng	98
28) bis(2-Chloroethoxy)methane	7.06	93	601355	49.69	ng	99
29) 2,4-Dichlorophenol	7.20	162	424236	53.60	ng	99
30) 1,2,4-Trichlorobenzene	7.28	180	417300	51.19	ng	100
31) Naphthalene	7.37	128	1400738	48.87	ng	100
32) Benzoic acid	7.14	122	189844	33.69	ng	96
34) Hexachlorobutadiene	7.52	225	207895	49.73	ng	97
35) Caprolactam	7.89	113	126357m	50.06	ng	
36) 4-Chloro-3-methylphenol	8.08	107	431873	52.22	ng	89
37) 2-Methylnaphthalene	8.21	142	957198	50.10	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.42	216	356964	50.18	ng	99
40) Hexachlorocyclopentadiene	8.40	237	240555	72.26	ng	99
42) 2,4,6-Trichlorophenol	8.57	196	276621	54.96	ng	99

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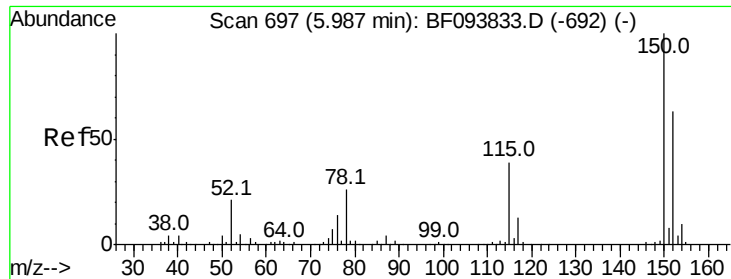
Manual Integrations
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 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.63	196	275261	50.54	nq	96
45) 1,1'-Biphenyl	8.79	154	1034355	49.31	nq	98
46) 2-Chloronaphthalene	8.80	162	827611	50.41	nq	94
47) 2-Nitroaniline	8.94	65	254196	52.19	nq	87
48) Acenaphthylene	9.31	152	1269299	46.51	nq	99
49) Dimethylphthalate	9.18	163	1429532	77.33	nq	99
50) 2,6-Dinitrotoluene	9.25	165	224203	52.91	nq	# 87
51) Acenaphthene	9.53	154	757350	47.56	nq	99
52) 3-Nitroaniline	9.45	138	159205	32.00	nq	96
53) 2,4-Dinitrophenol	9.59	184	138041	61.99	nq	# 72
54) Dibenzofuran	9.75	168	1078703	49.77	nq	100
55) 4-Nitrophenol	9.72	139	346426	88.90	nq	# 80
56) 2,4-Dinitrotoluene	9.74	165	259993	48.84	nq	# 67
57) Fluorene	10.16	166	812436	45.20	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.90	232	197627	52.89	nq	96
59) Diethylphthalate	10.05	149	941513	51.53	nq	99
60) 4-Chlorophenyl-phenylether	10.16	204	348067	45.45	nq	94
61) 4-Nitroaniline	10.21	138	220155	46.11	nq	97
62) Azobenzene	10.36	77	876276	50.70	nq	94
64) 4,6-Dinitro-2-methylphenol	10.25	198	112020	43.13	nq	# 70
65) n-Nitrosodiphenylamine	10.32	169	772154	52.65	nq	98
66) 4-Bromophenyl-phenylether	10.76	248	219930	52.73	nq	98
67) Hexachlorobenzene	10.83	284	220615	52.25	nq	# 85
68) Atrazine	10.99	200	227075	51.69	nq	96
69) Pentachlorophenol	11.09	266	197805	75.26	nq	97
70) Phenanthrene	11.34	178	1150070	48.75	nq	99
71) Anthracene	11.40	178	1186579	48.85	nq	99
72) Carbazole	11.61	167	1125198	45.17	nq	99
73) Di-n-butylphthalate	12.05	149	1378328	53.21	nq	99
74) Fluoranthene	12.80	202	1095488	45.35	nq	99
76) Benzidine	12.97	184	153071	13.57	nq	# 91
77) Pyrene	13.07	202	1074360	51.96	nq	98
79) Butylbenzylphthalate	13.89	149	530916	60.26	nq	# 87
80) Benzo(a)anthracene	14.54	228	825683	49.70	nq	99
81) 3,3'-Dichlorobenzidine	14.52	252	246815	41.56	nq	# 96
82) Chrysene	14.59	228	738104	47.87	nq	99
83) Bis(2-ethylhexyl)phthalate	14.60	149	734220	61.09	nq	# 100
84) Di-n-octyl phthalate	15.36	149	1178898	58.71	nq	98
85) Indeno(1,2,3-cd)pyrene	17.50	276	705823	52.86	nq	99
87) Benzo(b)fluoranthene	15.78	252	725055	47.79	nq	98
88) Benzo(k)fluoranthene	15.81	252	720776	48.56	nq	97
89) Benzo(a)pyrene	16.13	252	693726	49.65	nq	99
90) Dibenzo(a,h)anthracene	17.52	278	588976	49.78	nq	98
91) Benzo(g,h,i)perylene	17.89	276	570839	47.87	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.84 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

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BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:152 Resp: 151640

Ion Ratio Lower Upper

152 100

150 154.1 126.2 189.2

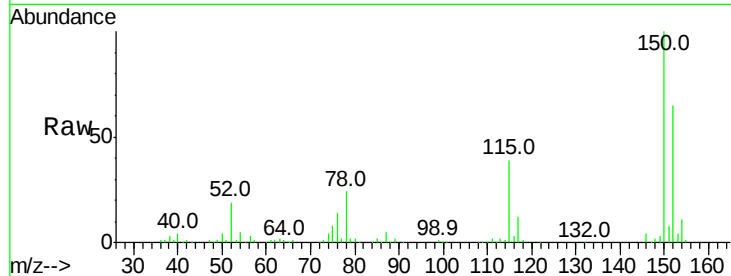
115 60.4 52.2 78.2

Manual Integrations

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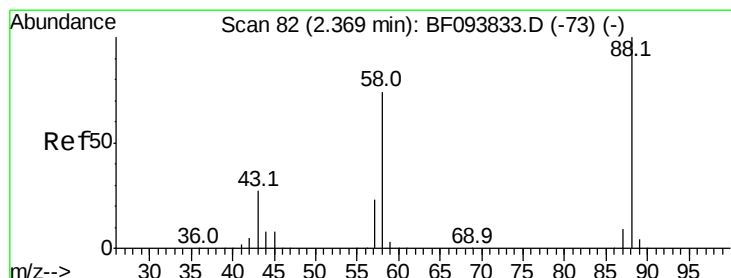
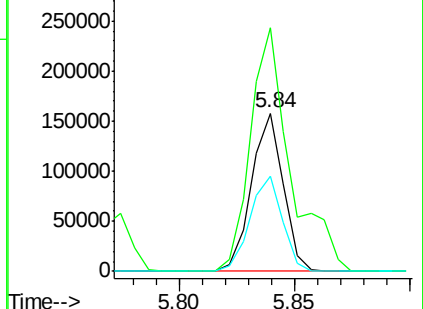
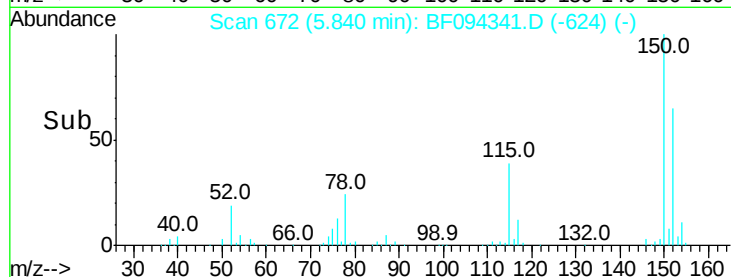
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 39.45 ng

RT: 2.22 min Scan# 56

Delta R.T. 0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

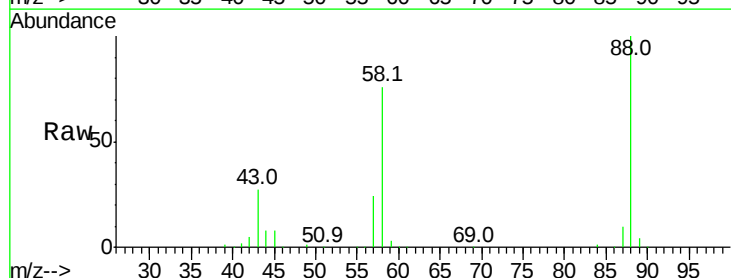
Tgt Ion: 88 Resp: 170174

Ion Ratio Lower Upper

88 100

58 75.7 61.4 92.0

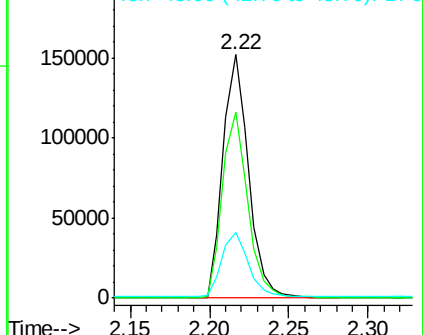
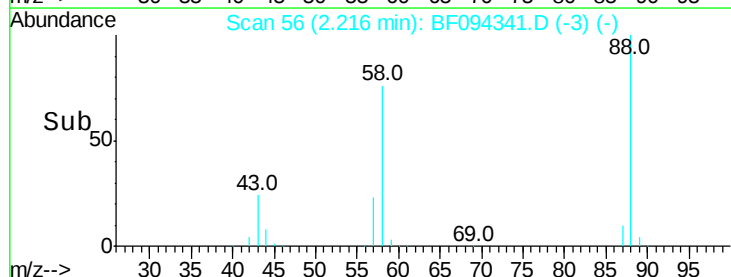
43 27.6 23.4 35.0

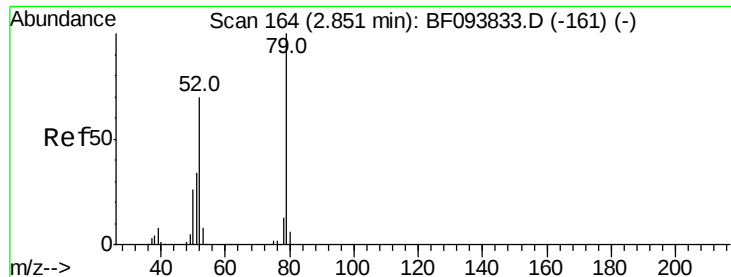


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





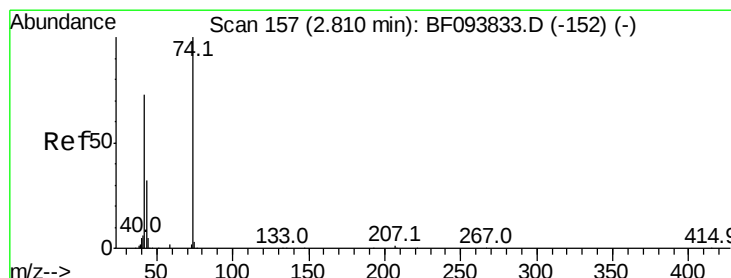
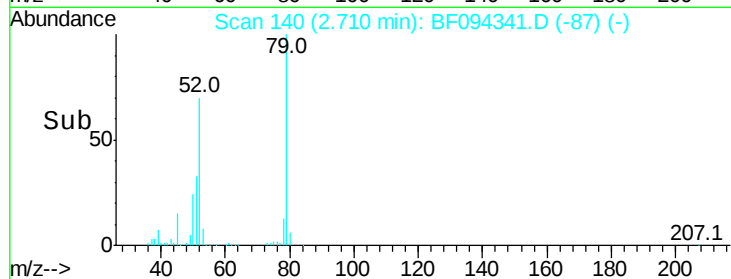
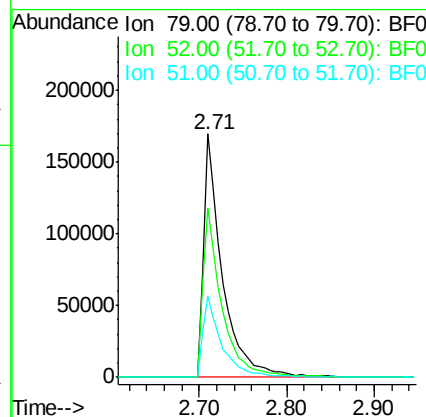
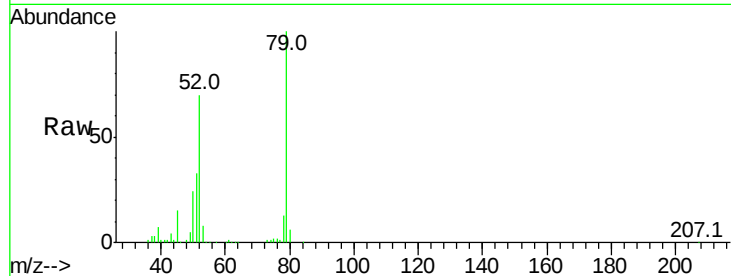
#3
 Pvridine
 Concen: 21.48 ng
 RT: 2.71 min Scan# 140
 Delta R.T. 0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
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 B-56-S1(0-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		252520		
52	69.8	54.8	82.2		
51	33.3	27.0	40.4		

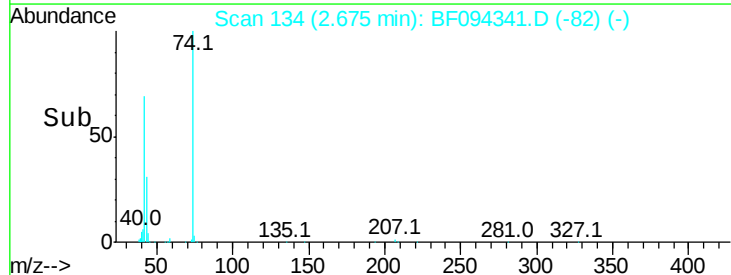
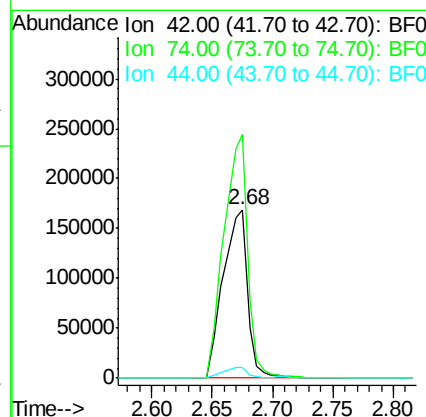
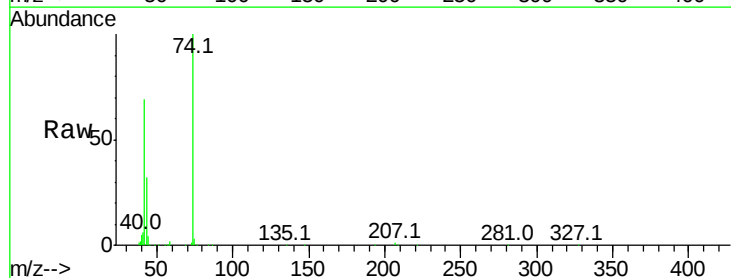
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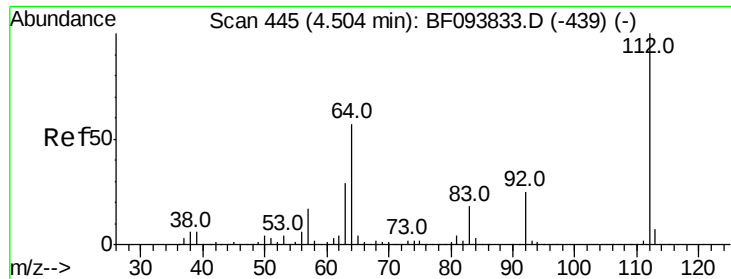
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#4
 n-Nitrosodimethylamine
 Concen: 48.96 ng
 RT: 2.68 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		236833		
74	144.6	103.9	155.9		
44	6.2	5.7	8.5		





#5

2-Fluorophenol

Concen: 138.46 ng

RT: 4.40 min Scan# 428

Delta R.T. 0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:112 Resp: 1243139

Ion Ratio Lower Upper

112 100

64 55.3 46.0 69.0

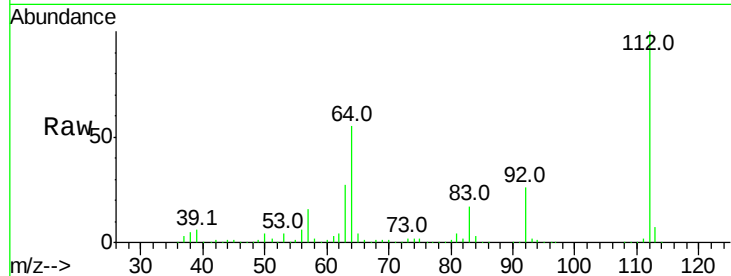
63 27.5 23.4 35.0

Manual Integrations

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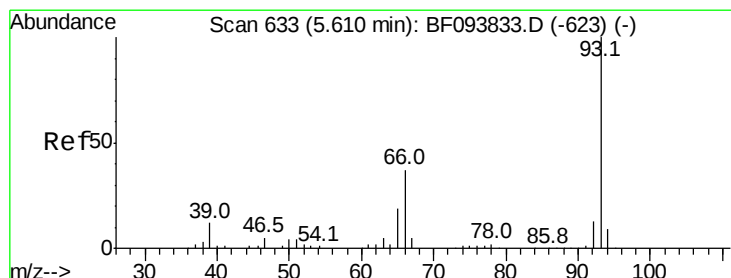
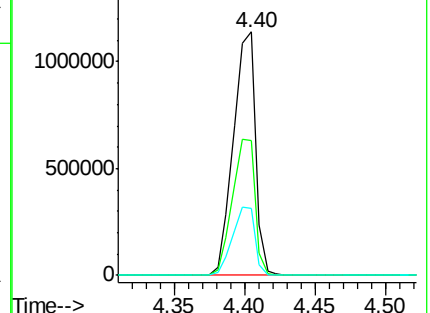
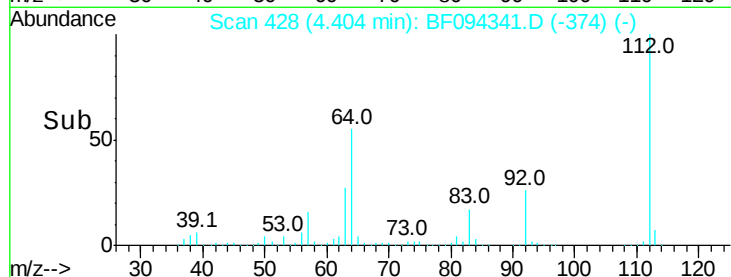
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 21.29 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

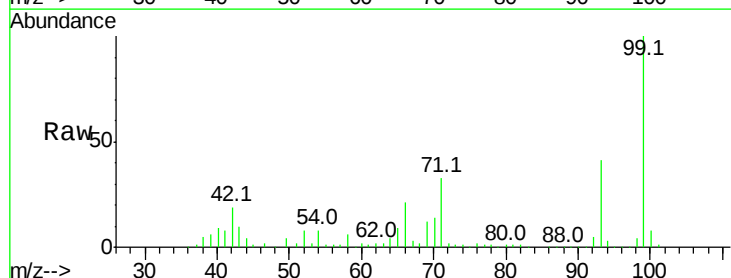
Tgt Ion: 93 Resp: 328921

Ion Ratio Lower Upper

93 100

66 49.8 32.9 49.3#

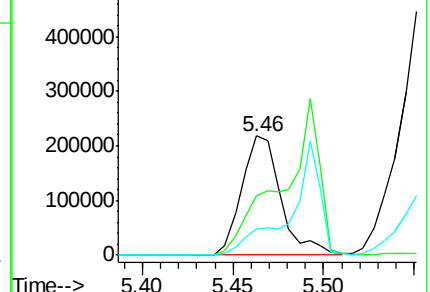
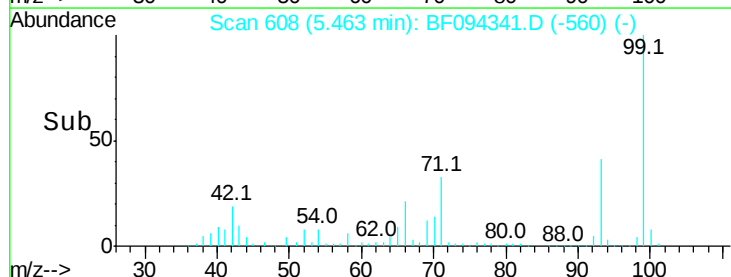
65 21.4 16.0 24.0

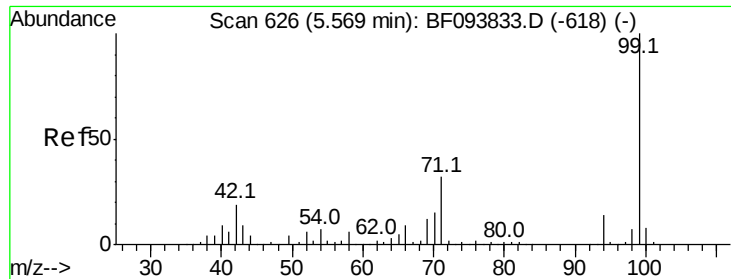


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 143.00 ng

RT: 5.48 min Scan# 611

Delta R.T. 0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 1588225

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

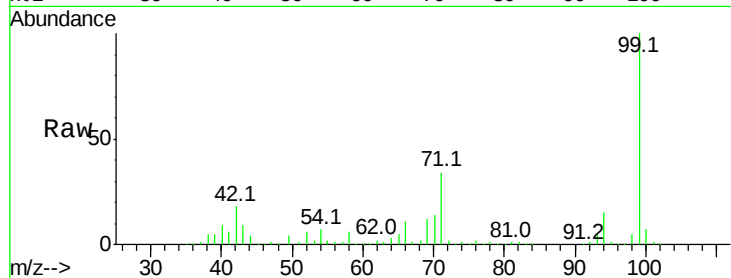
71 34.0 24.5 36.7

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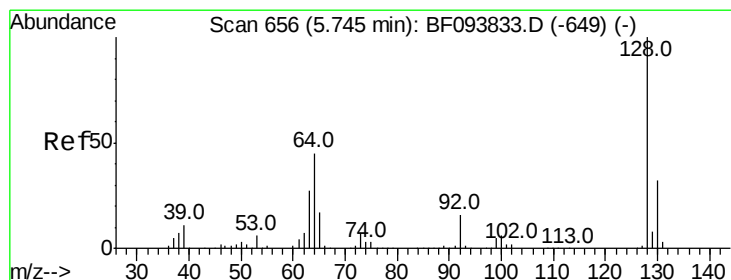
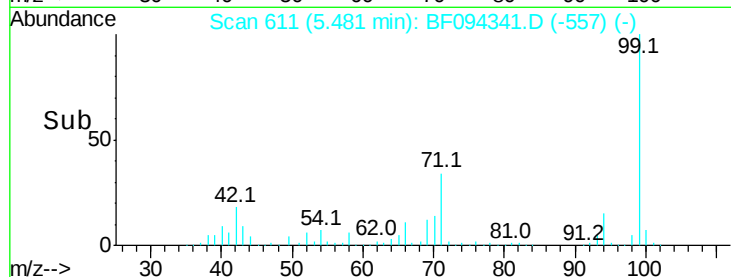
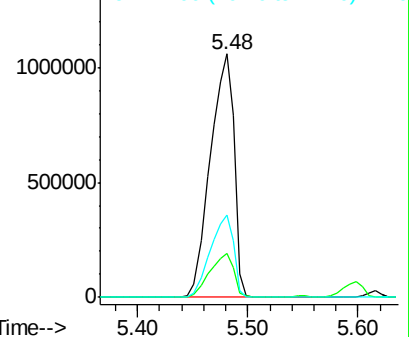
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 51.38 ng

RT: 5.62 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

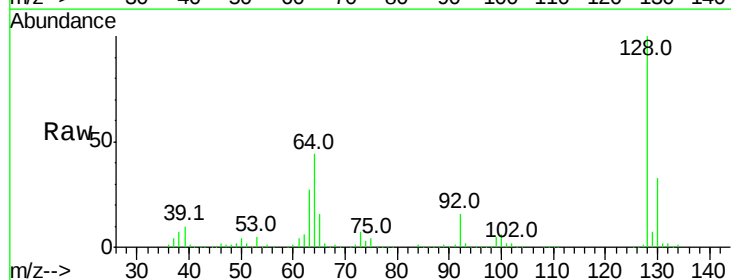
Tgt Ion:128 Resp: 507025

Ion Ratio Lower Upper

128 100

130 33.2 12.9 52.9

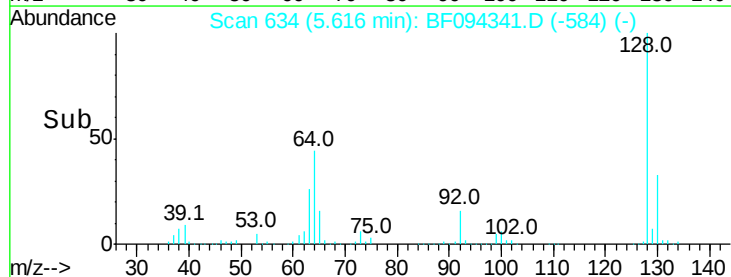
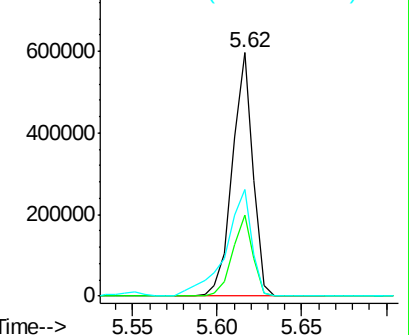
64 44.1 28.4 68.4

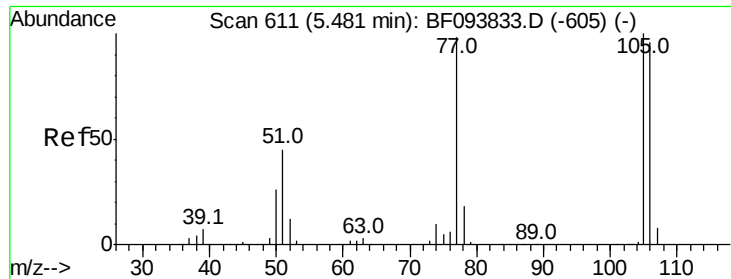


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 25.22 ng

RT: 5.33 min Scan# 585

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

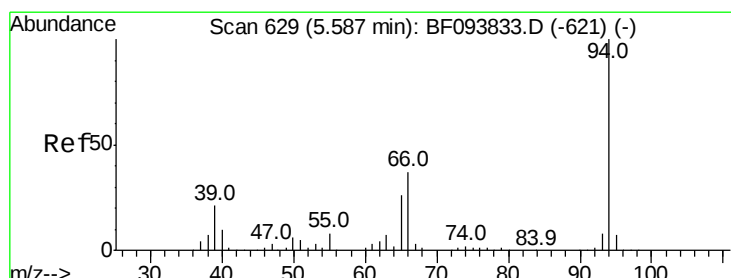
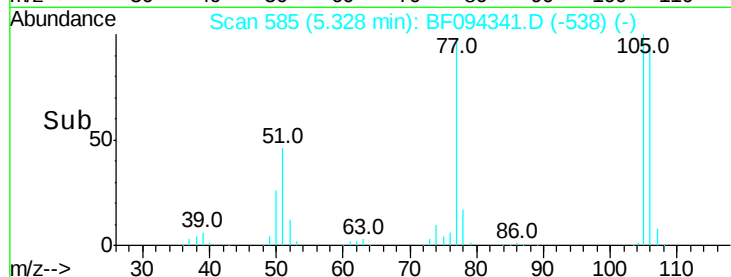
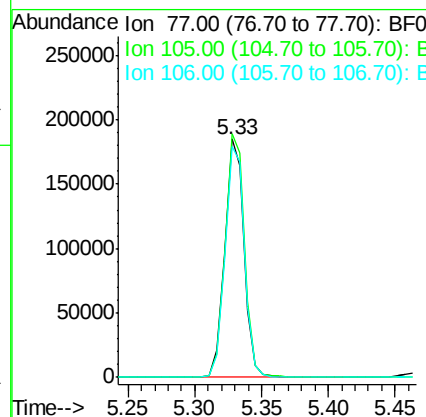
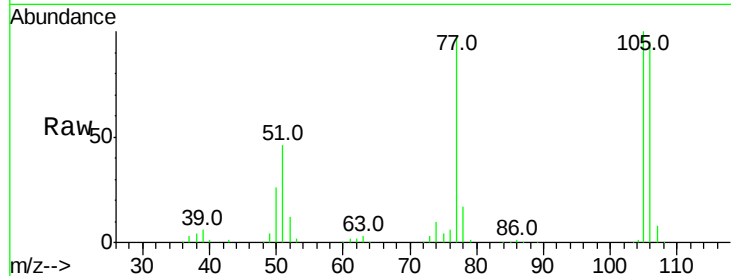
ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion: 77 Resp: 189163
 Ion Ratio Lower Upper
 77 100
 105 102.1 83.8 123.8
 106 97.1 79.1 119.1

Manual Integrations
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#10

Phenol

Concen: 55.22 ng

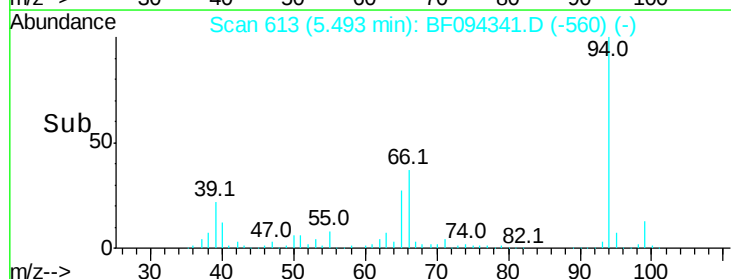
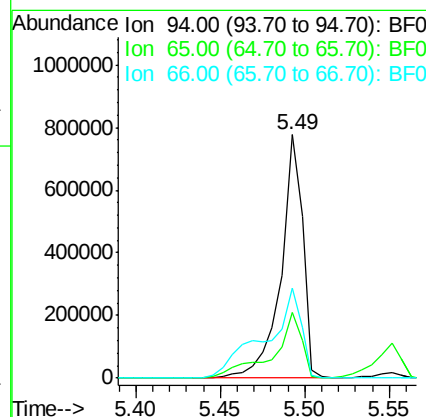
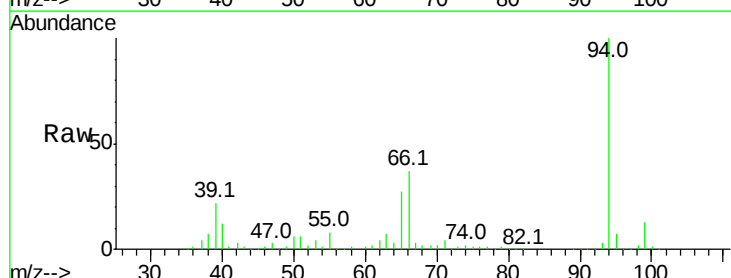
RT: 5.49 min Scan# 613

Delta R.T. 0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Tgt Ion: 94 Resp: 697947
 Ion Ratio Lower Upper
 94 100
 65 27.0 9.9 49.9
 66 36.9 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 49.96 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

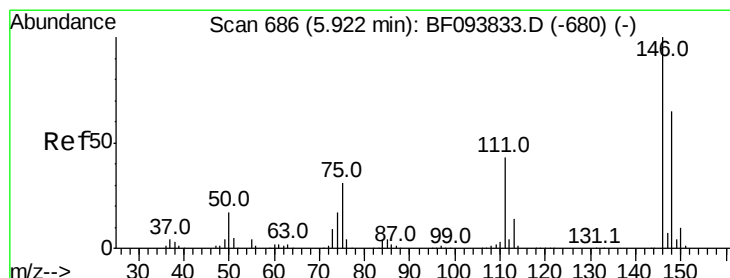
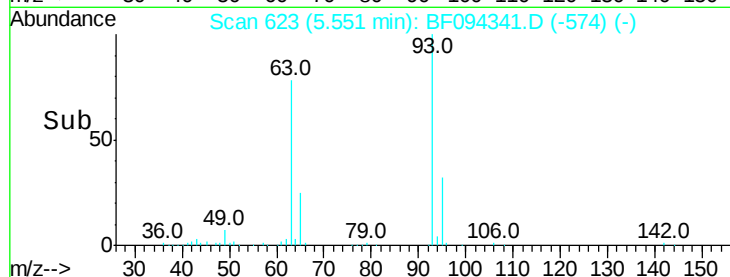
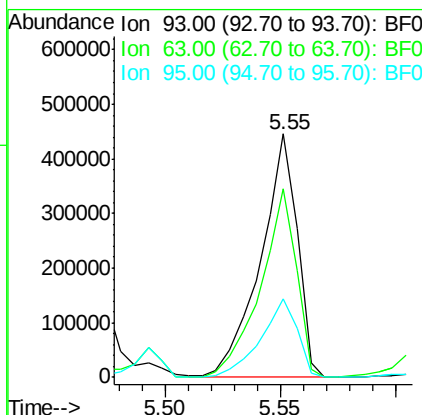
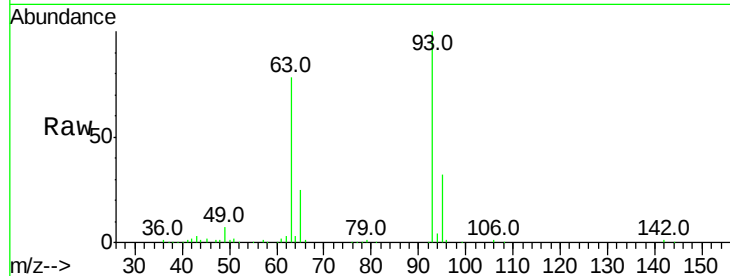
ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:	93	Resp:	493469
Ion Ratio	Lower	Upper	
93	100		
63	77.6	59.2	99.2
95	32.3	12.8	52.8

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 48.93 ng

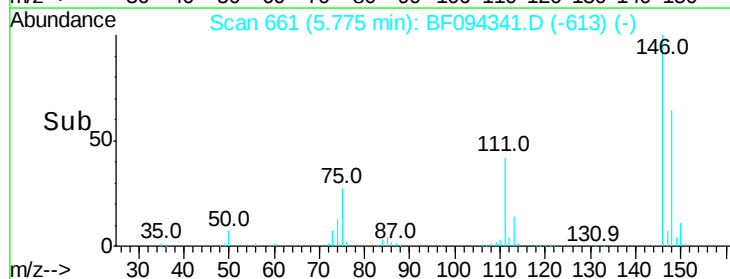
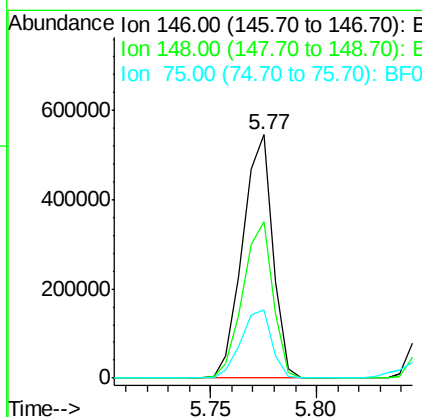
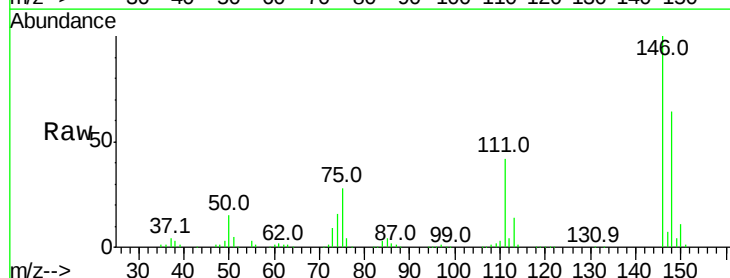
RT: 5.77 min Scan# 661

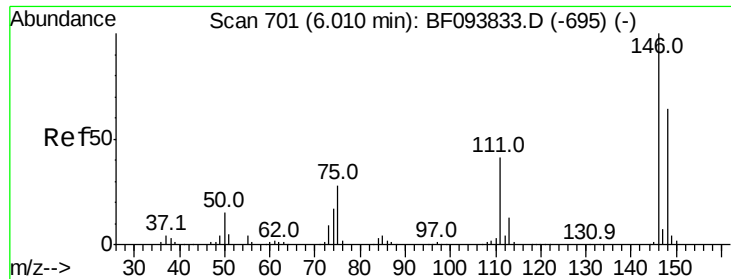
Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Tgt Ion:	146	Resp:	541675
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.8	77.6
75	28.1	23.1	34.7





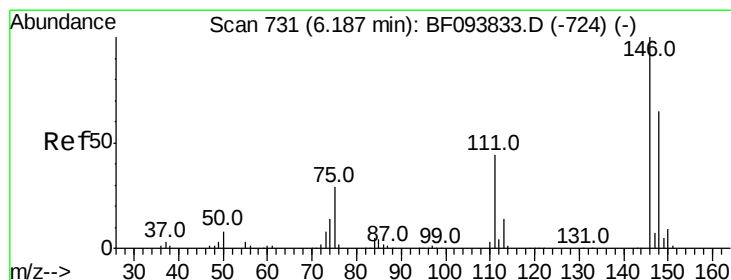
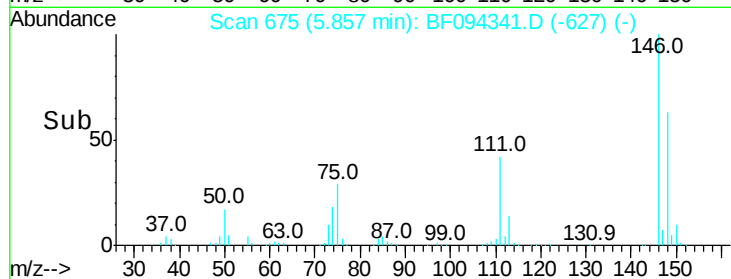
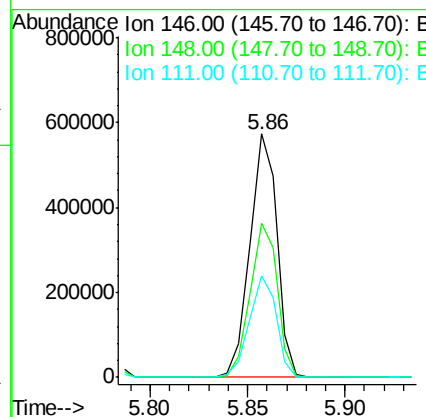
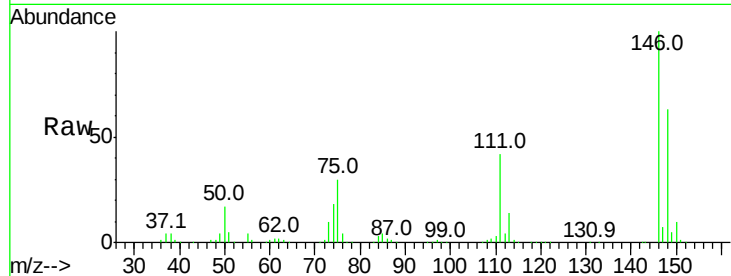
#13
 1,4-Dichlorobenzene
 Concen: 49.15 ng
 RT: 5.86 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.2	78.2
111	41.9	30.3	45.5

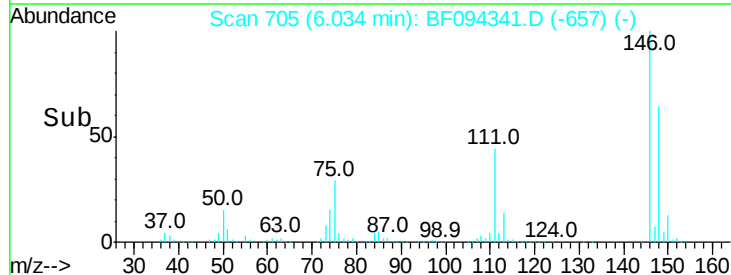
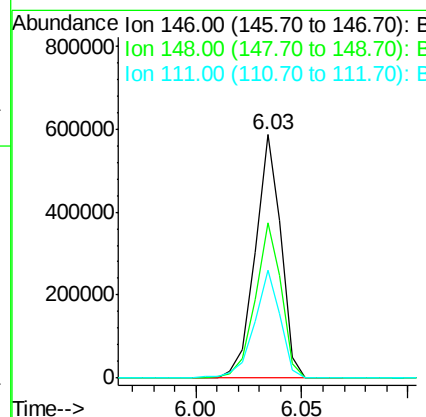
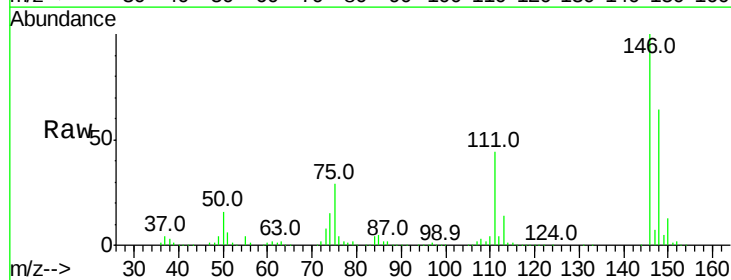
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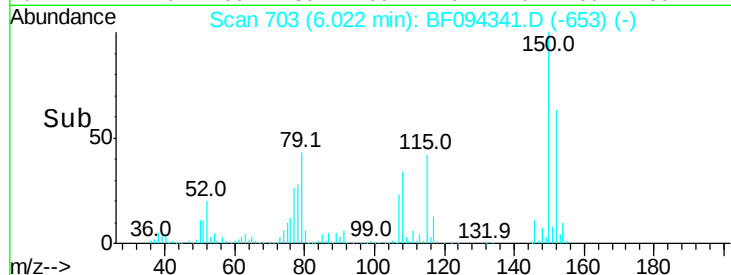
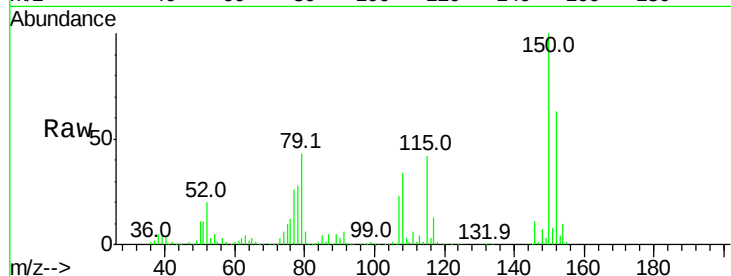
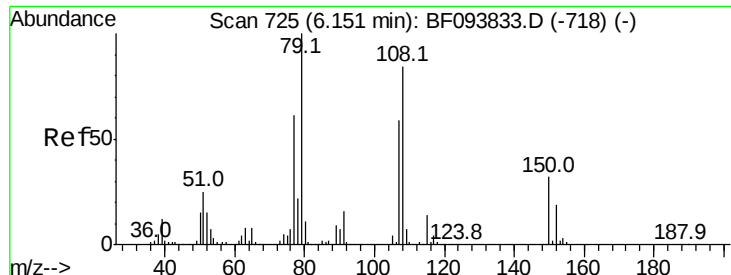
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#14
 1,2-Dichlorobenzene
 Concen: 48.27 ng
 RT: 6.03 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.4	75.6
111	44.3	38.2	57.4





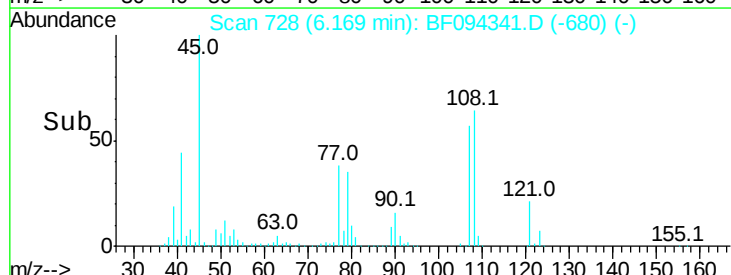
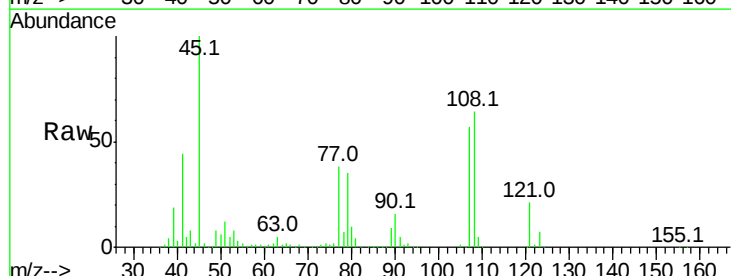
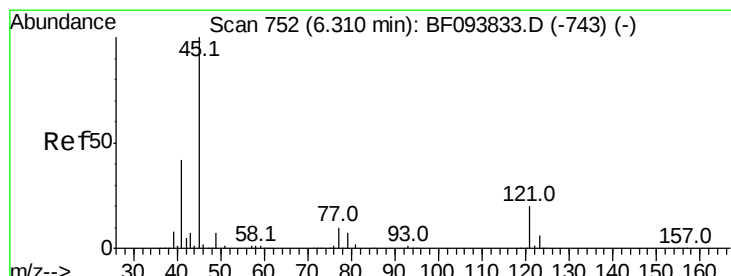
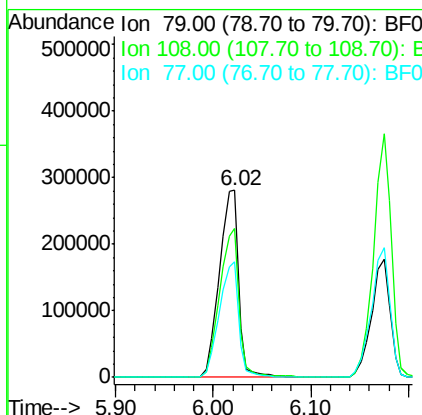
#15
Benzyl Alcohol
Concen: 47.89 ng
RT: 6.02 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
108	79.5	63.4	95.0		
77	62.1	49.2	73.8		

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

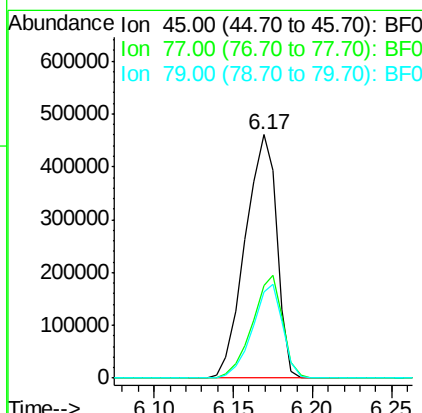
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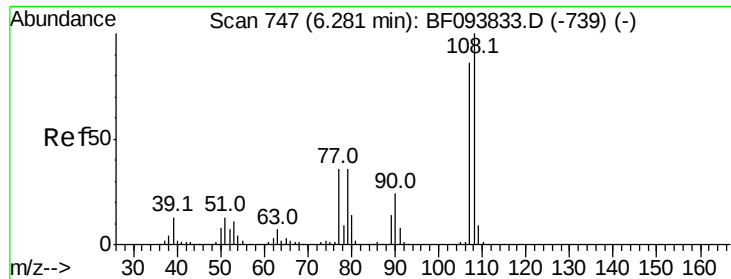
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.94 ng
RT: 6.17 min Scan# 728
Delta R.T. -0.02 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
77	38.2	0.0	33.2#		
79	35.2	0.0	30.0#		





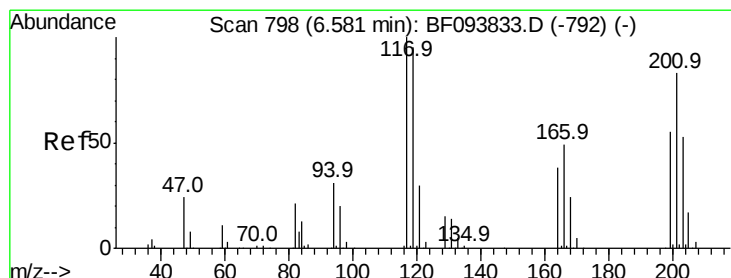
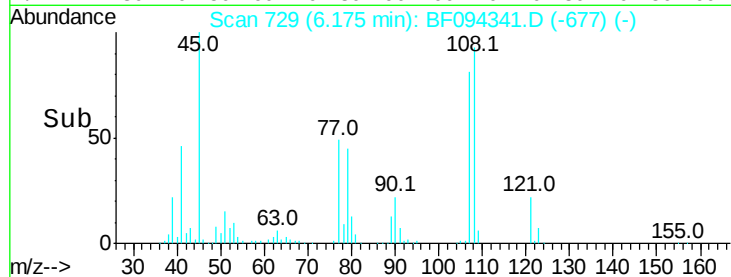
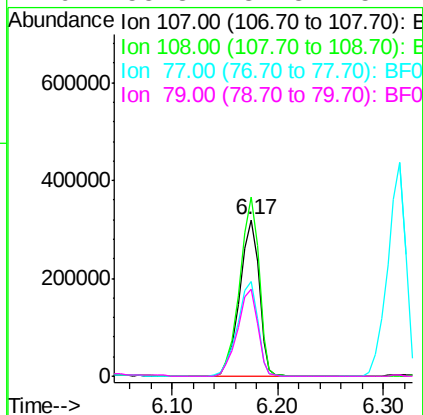
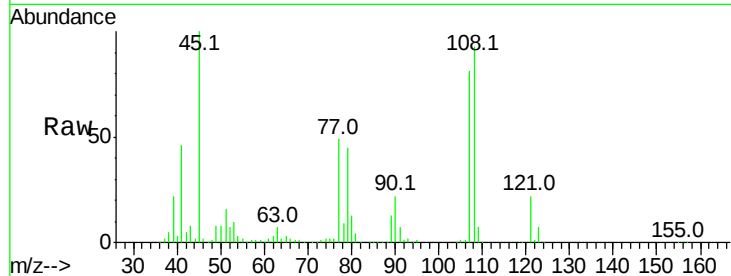
#17
2-Methylphenol
Concen: 48.22 ng
RT: 6.17 min Scan# 729
Delta R.T. 0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.5	93.4	140.0	
77	60.8	35.8	53.6#	
79	55.3	34.8	52.2#	

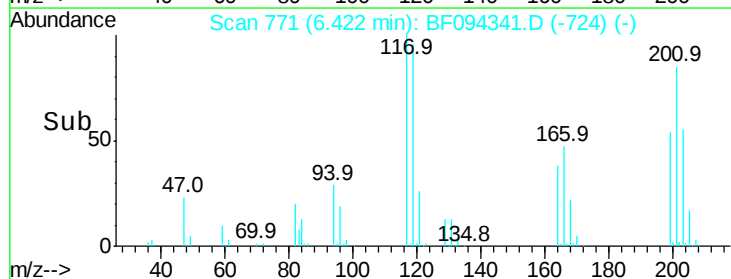
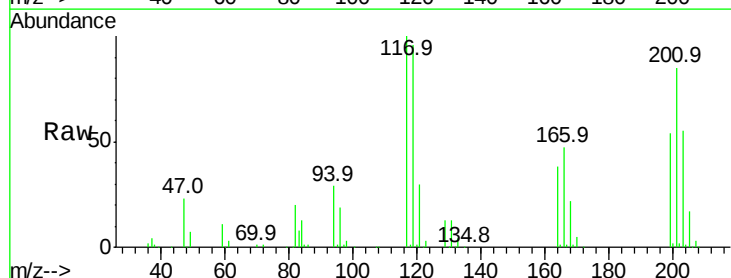
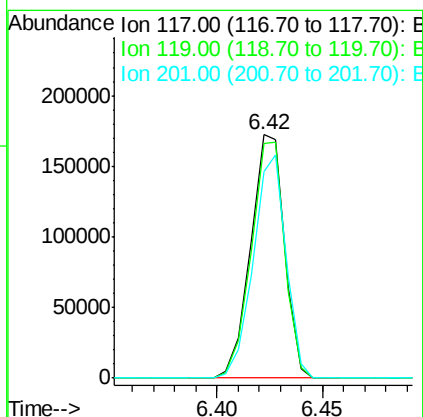
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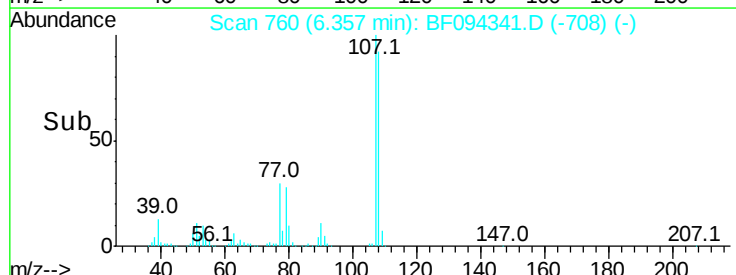
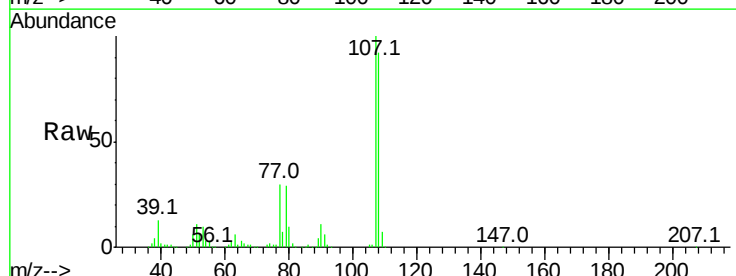
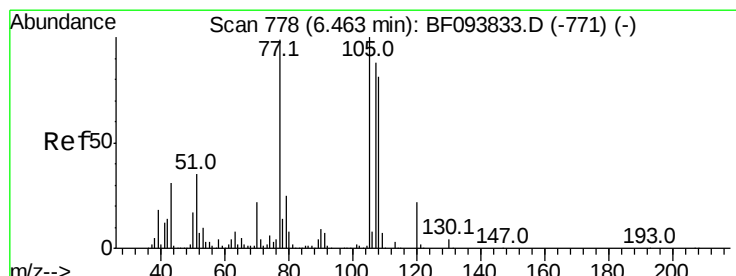
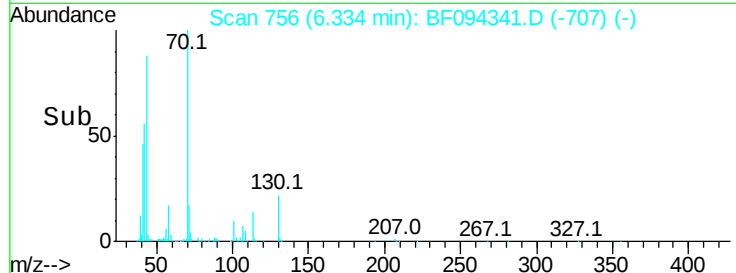
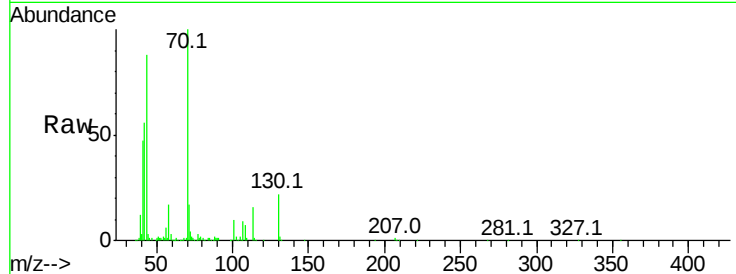
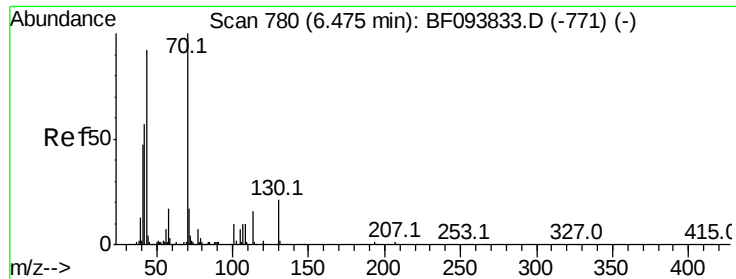
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#18
Hexachloroethane
Concen: 48.54 ng
RT: 6.42 min Scan# 771
Delta R.T. -0.02 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

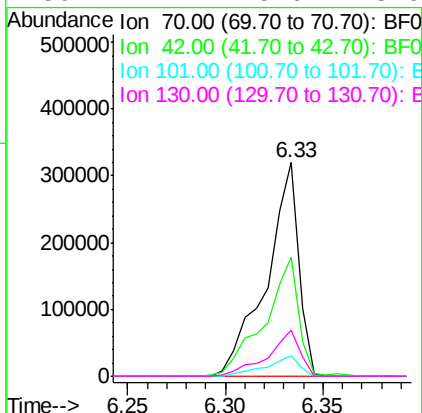
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.4	77.4	116.0	
201	85.0	94.6	141.8#	





#19
n-Nitroso-di-n-propylamine
Concen: 51.45 ng
RT: 6.33 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tot Ion	Ratio	Lower	Upper
70	100		
42	56.0	47.2	70.8
101	9.8	7.2	10.8
130	21.7	15.9	23.9



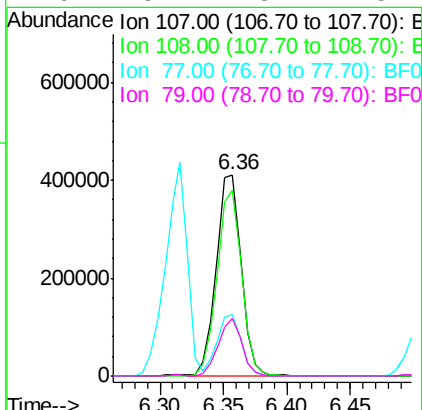
Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

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#20
3+4-Methylphenols
Concen: 55.30 ng
RT: 6.36 min Scan# 760
Delta R.T. 0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.1	71.0	111.0
77	30.4	90.5	130.5#
79	28.7	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.34 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

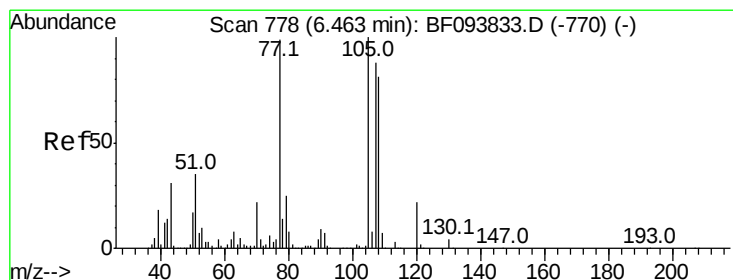
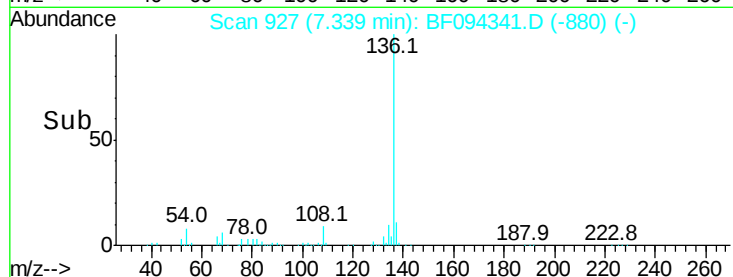
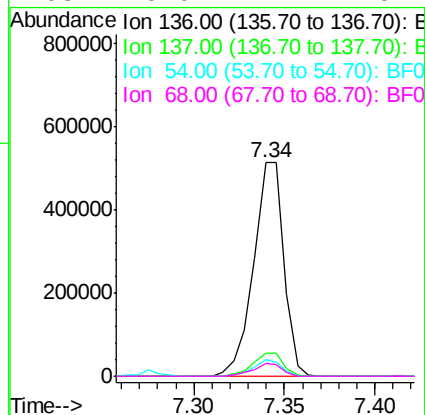
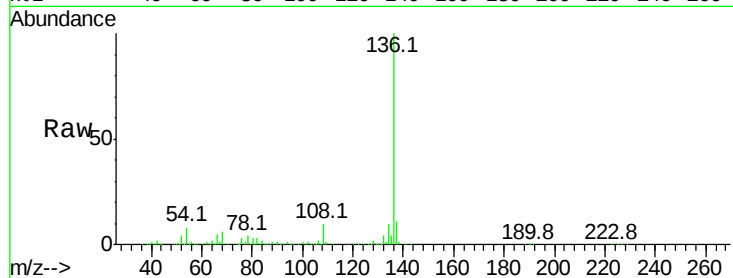
ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	8.0	4.9	7.3#
68	6.0	4.1	6.1

Manual Integrations
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#22

Acetophenone

Concen: 53.80 ng

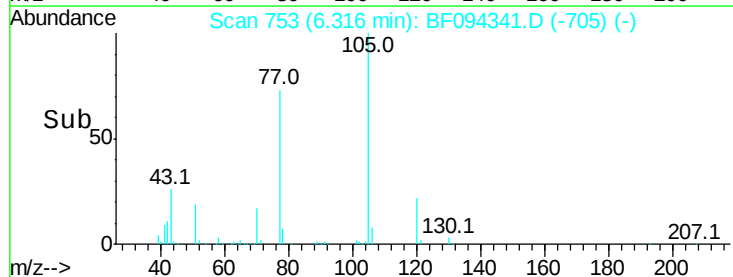
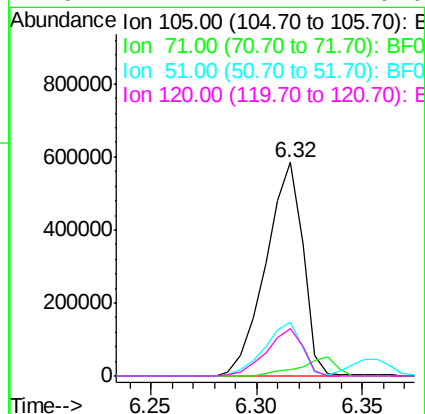
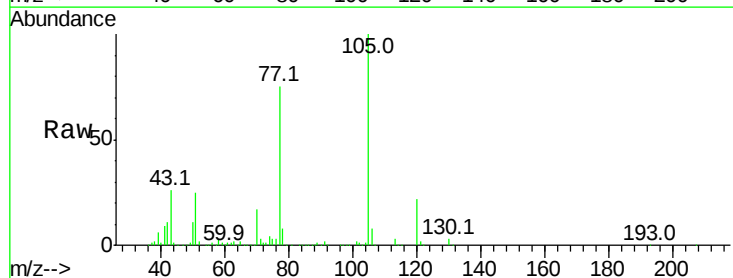
RT: 6.32 min Scan# 753

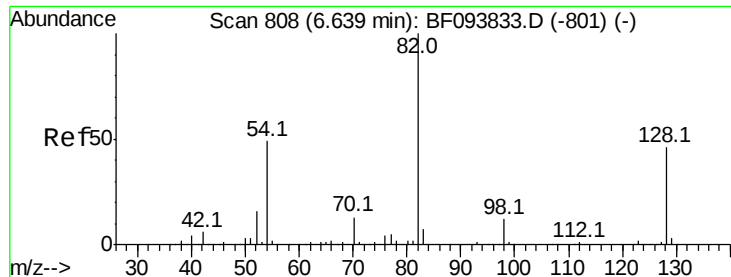
Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	2.8	2.8	4.2#
51	25.1	30.7	46.1#
120	22.4	17.4	26.0





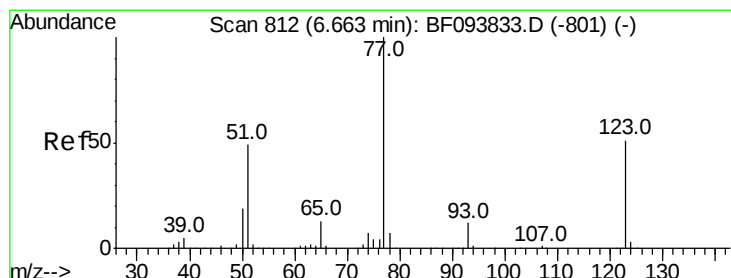
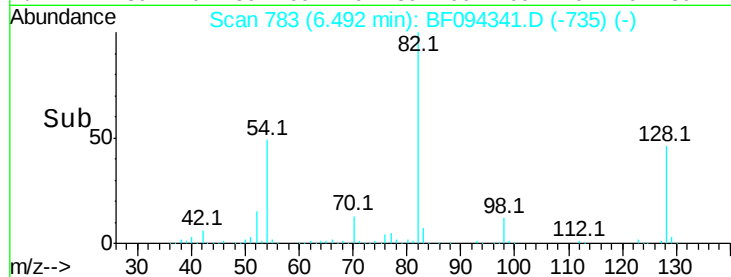
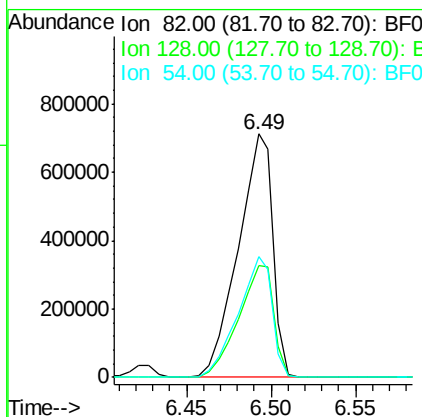
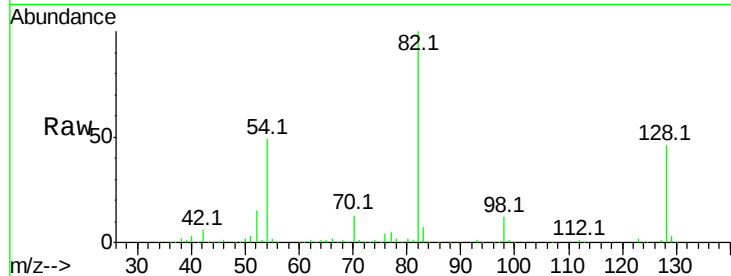
#23
 Nitrobenzene-d5
 Concen: 97.10 ng
 RT: 6.49 min Scan# 783
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion	82	Resp	1014132
Ion Ratio	100	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	49.4	42.2	63.2

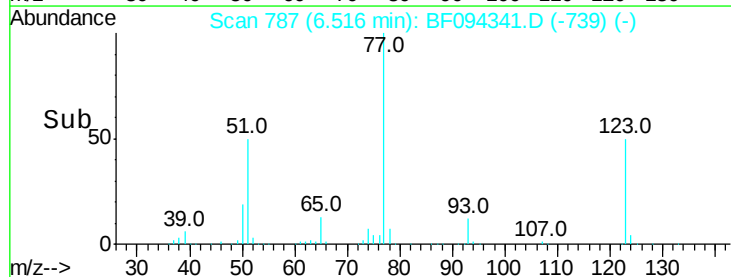
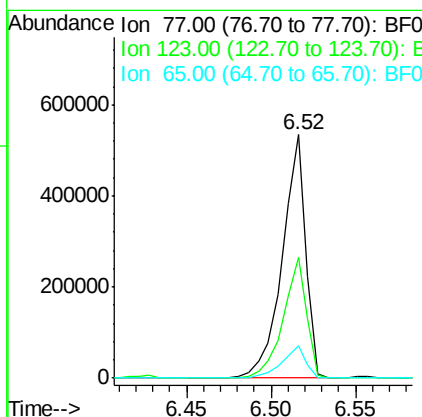
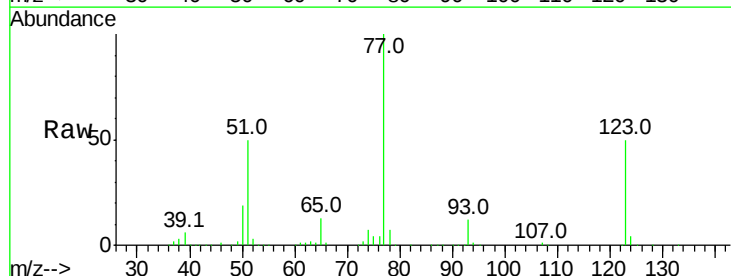
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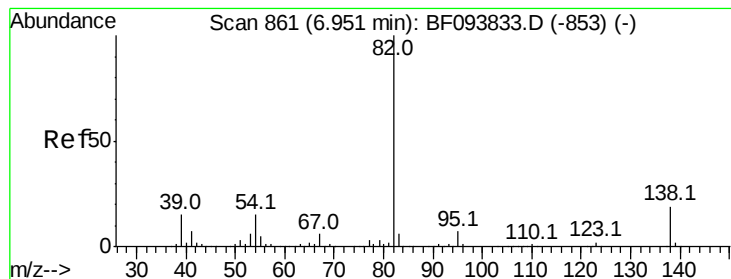
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#24
 Nitrobenzene
 Concen: 50.25 ng
 RT: 6.52 min Scan# 787
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion	77	Resp	517620
Ion Ratio	100	Lower	Upper
77	100		
123	49.8	35.8	53.8
65	13.1	10.6	15.8





#25

Isophorone

Concen: 49.96 ng

RT: 6.80 min Scan# 836

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

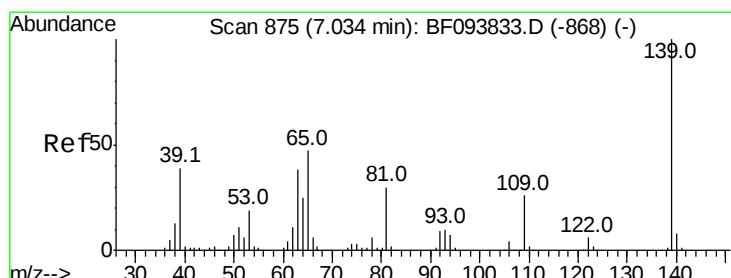
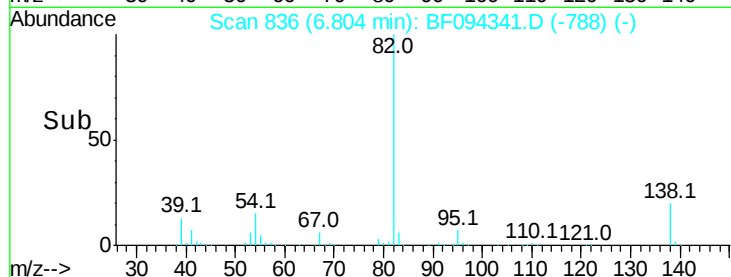
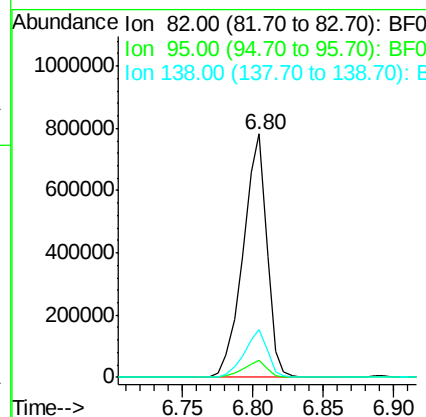
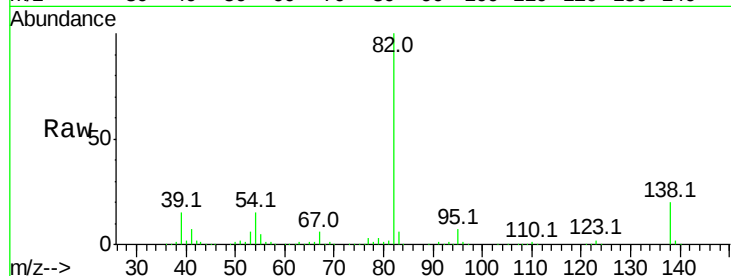
ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:	82	Resp:	916993
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.3	7.9
138	19.9	13.1	19.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 57.87 ng

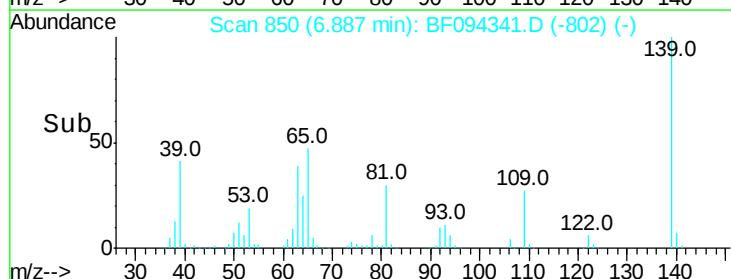
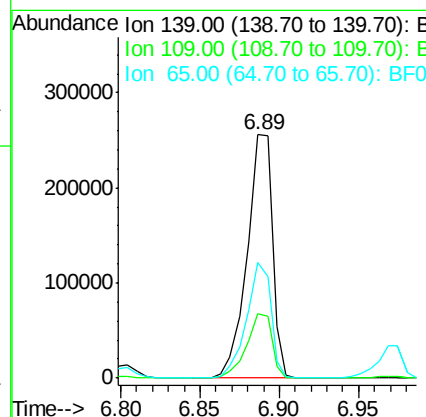
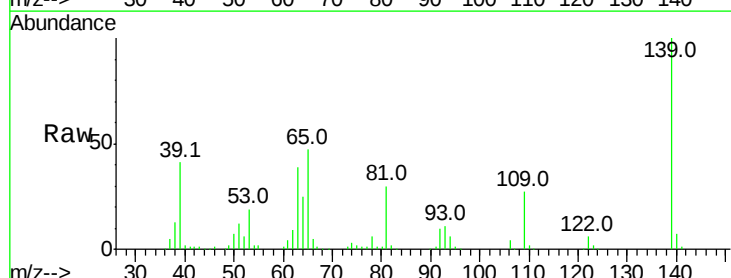
RT: 6.89 min Scan# 850

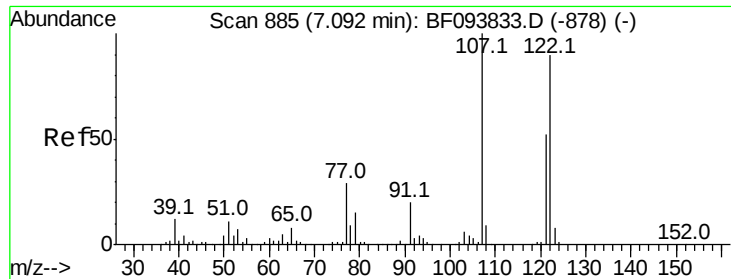
Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Tgt Ion:	139	Resp:	284294
Ion Ratio	Lower	Upper	
139	100		
109	26.6	21.0	31.6
65	47.4	33.0	49.6





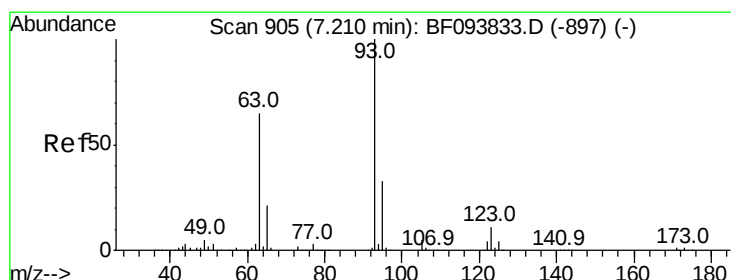
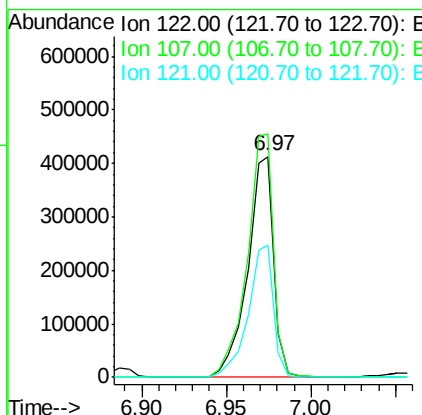
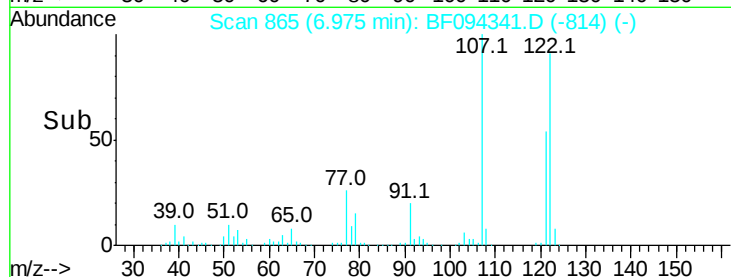
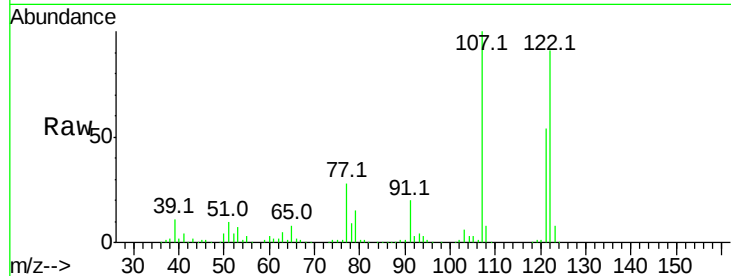
#27
 2,4-Dimethylphenol
 Concen: 52.76 ng
 RT: 6.97 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.1	89.2	133.8
121	59.8	45.2	67.8

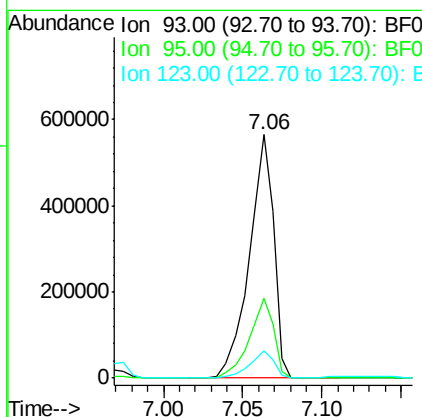
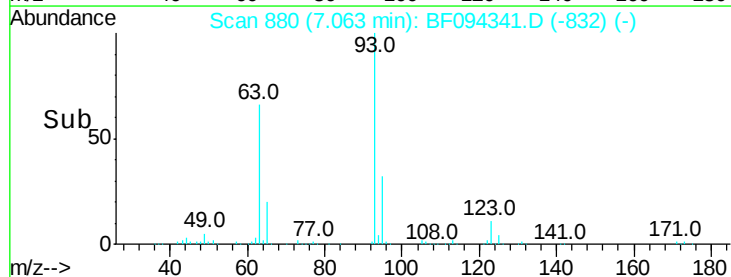
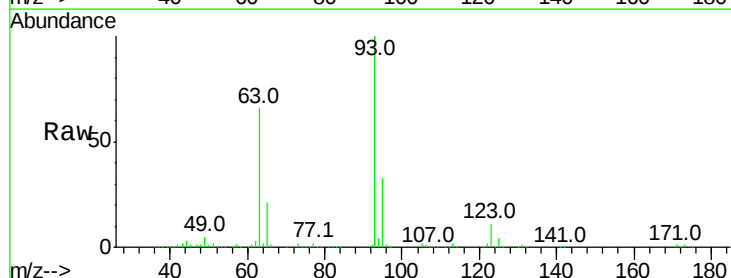
Manual Integrations
 APPROVED

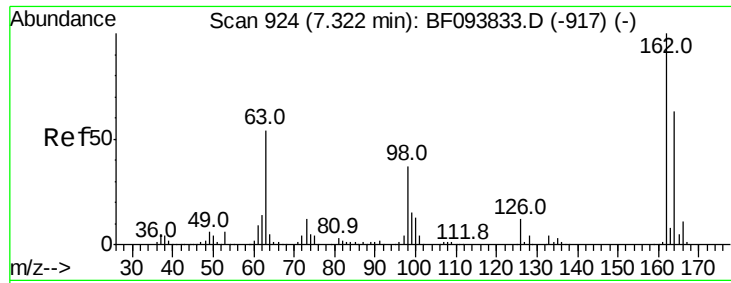
mohammad
 4/11/2017 12:53:38 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 49.69 ng
 RT: 7.06 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.5	39.7
123	11.3	9.0	13.4





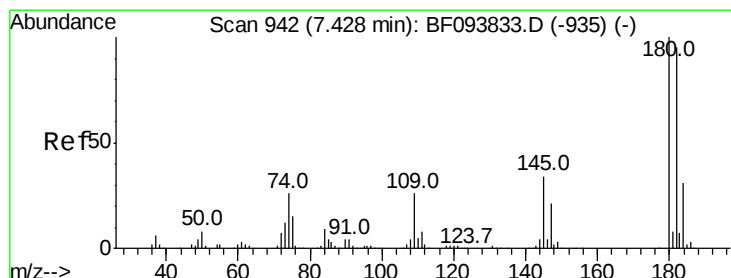
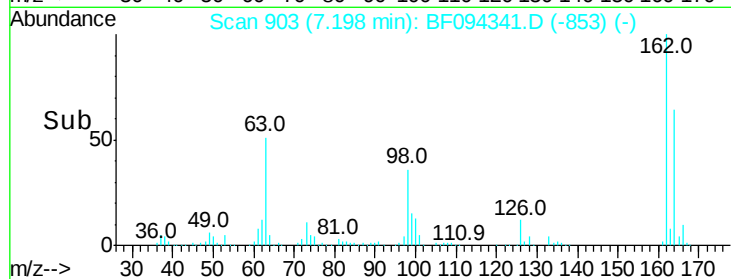
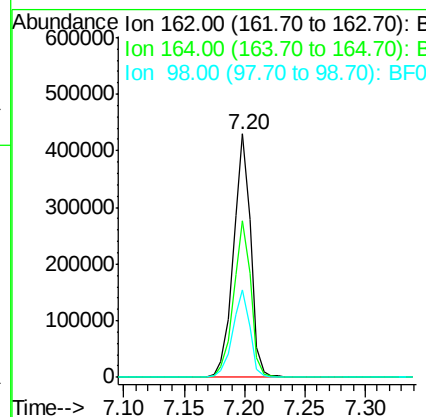
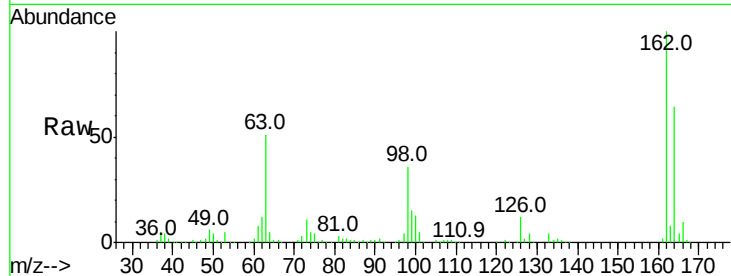
#29
 2,4-Dichlorophenol
 Concen: 53.60 ng
 RT: 7.20 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	424236		
164	64.3		44.6	84.6
98	36.1		14.8	54.8

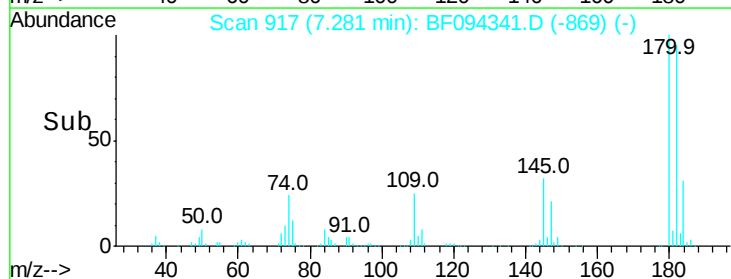
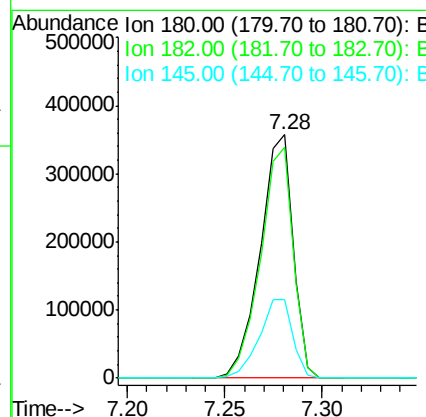
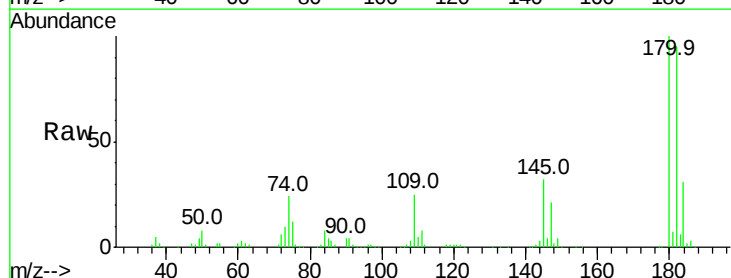
Manual Integrations
 APPROVED

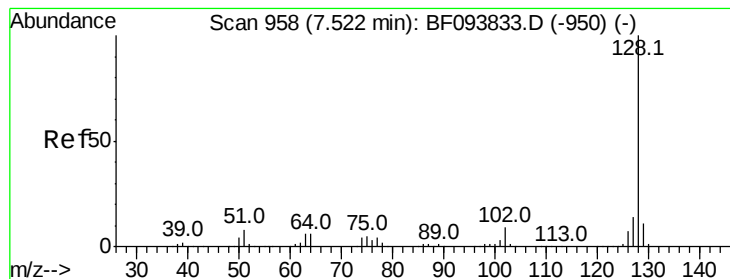
mohammad
 4/11/2017 12:53:38 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 51.19 ng
 RT: 7.28 min Scan# 917
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	417300		
182	94.9		75.8	113.6
145	32.4		25.3	37.9





#31

Naphthalene

Concen: 48.87 ng

RT: 7.37 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:128 Resp: 1400738

Ion Ratio Lower Upper

128 100

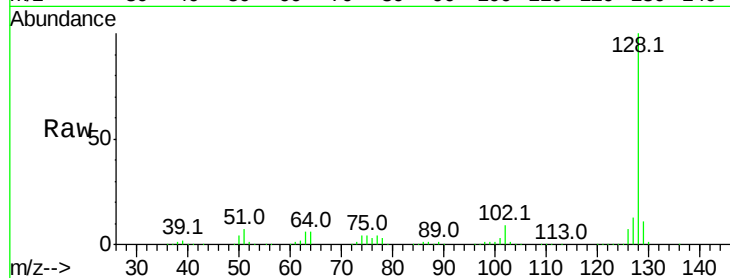
129 11.4 9.0 13.6

127 13.5 10.8 16.2

Manual Integrations
APPROVED

mohammad

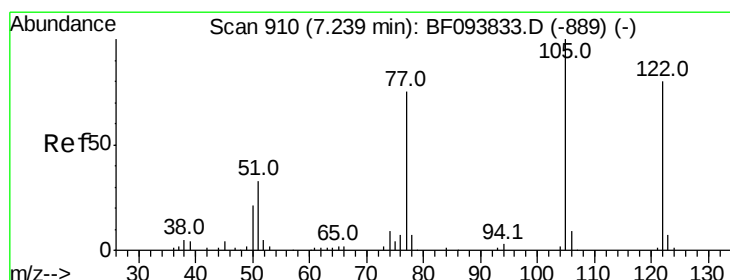
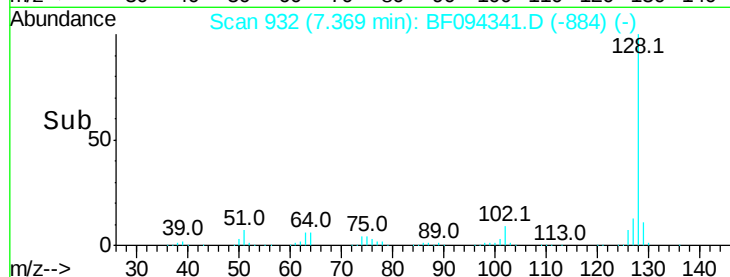
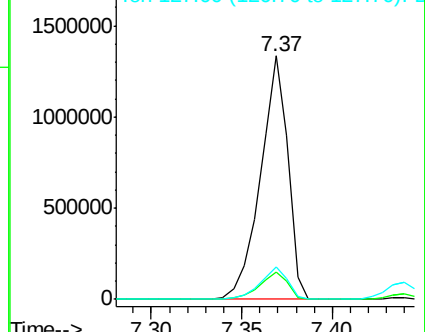
4/11/2017 12:53:38 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 33.69 ng

RT: 7.14 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

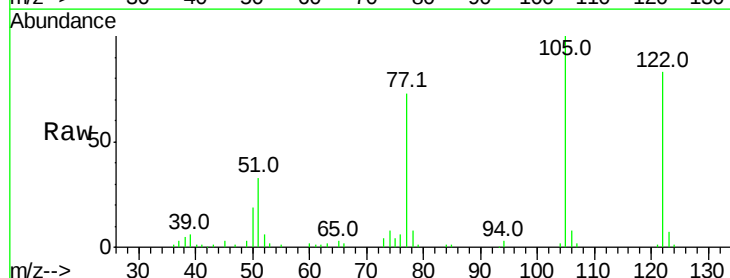
Tgt Ion:122 Resp: 189844

Ion Ratio Lower Upper

122 100

105 120.4 103.3 143.3

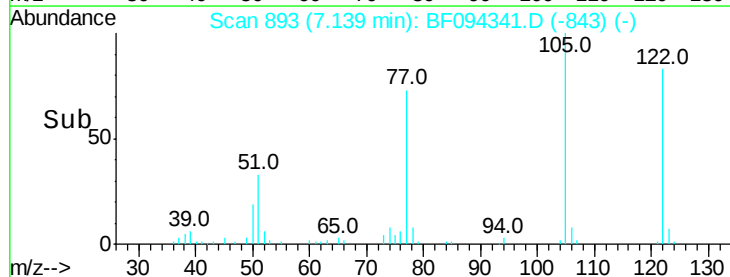
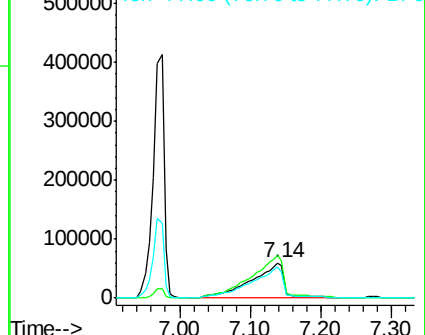
77 88.4 73.7 113.7

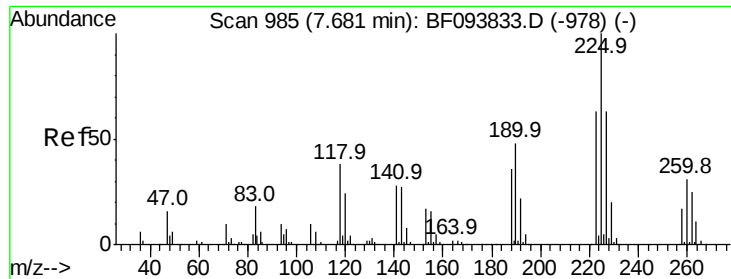


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





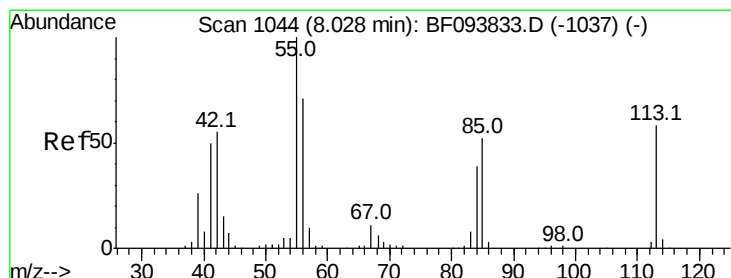
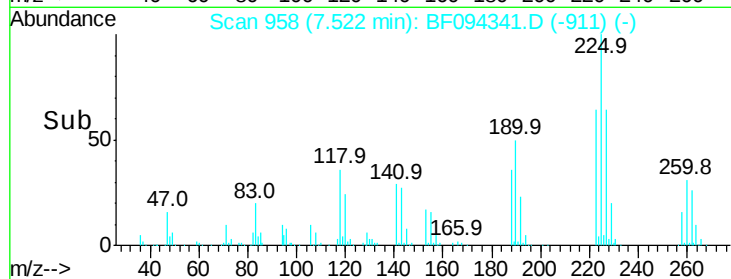
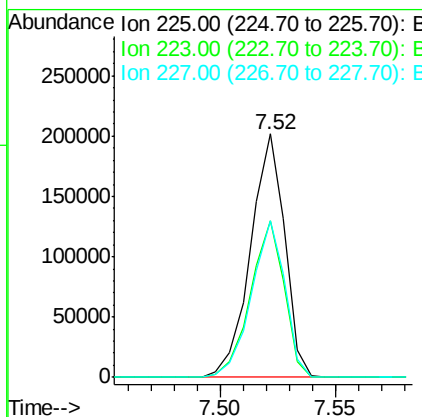
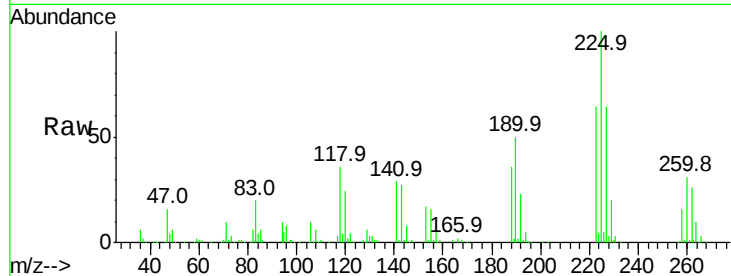
#34
Hexachlorobutadiene
Concen: 49.73 ng
RT: 7.52 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	207895		
223	64.5	48.8	73.2	
227	64.5	51.1	76.7	

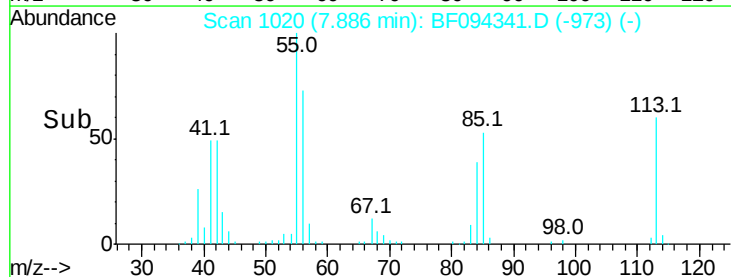
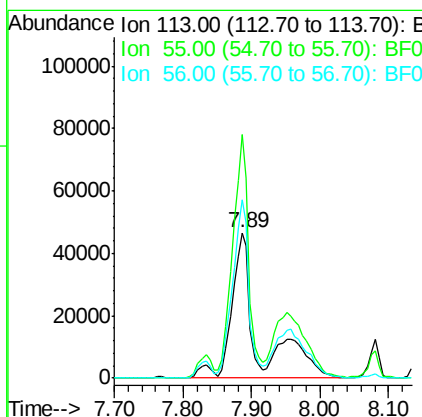
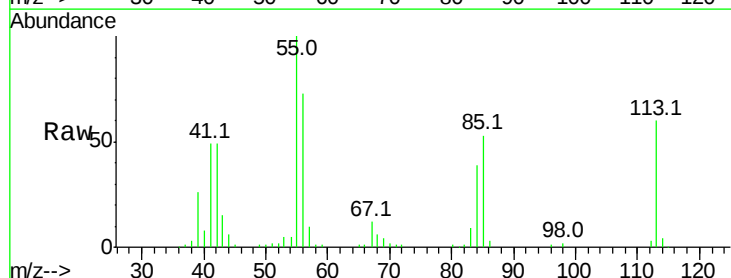
Manual Integrations
APPROVED

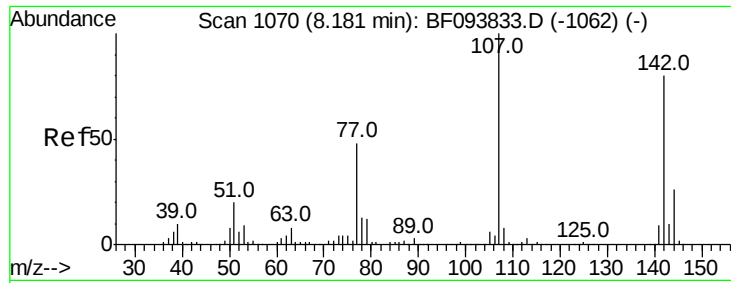
mohammad
4/11/2017 12:53:38 PM



#35
Caprolactam
Concen: 50.06 ng m
RT: 7.89 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	126357		
55	167.9	150.2	190.2	
56	122.6	107.8	147.8	





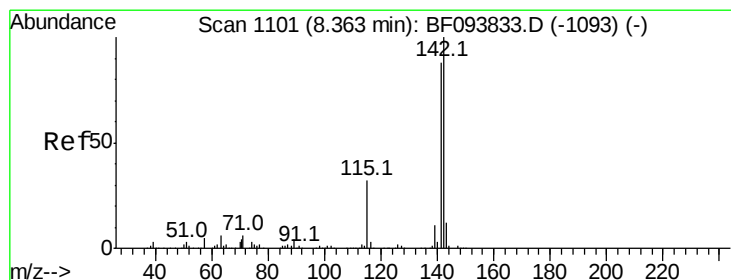
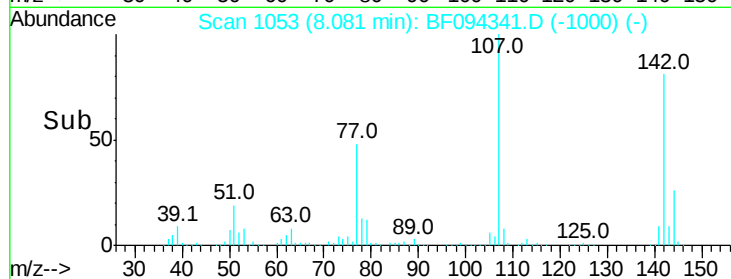
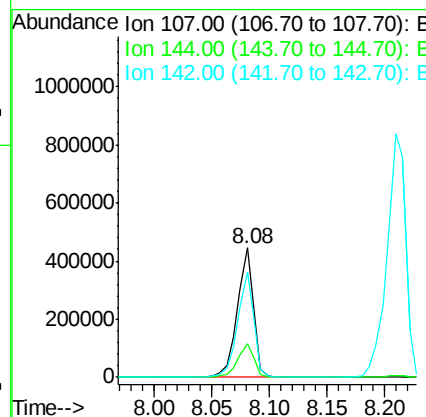
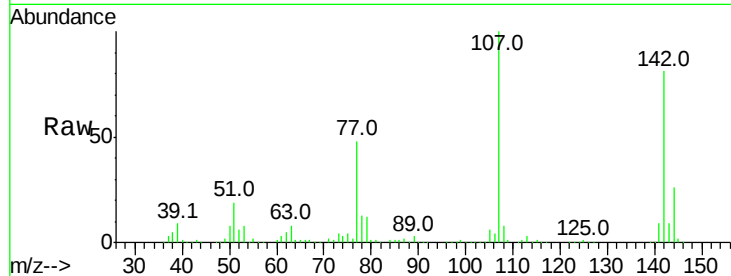
#36
 4-Chloro-3-methylphenol
 Concen: 52.22 ng
 RT: 8.08 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	25.8	24.2	36.4
142	81.0	73.4	110.0

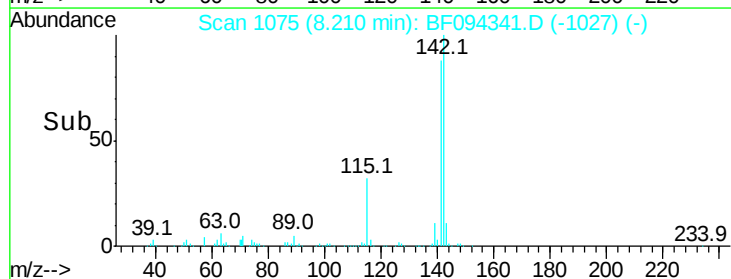
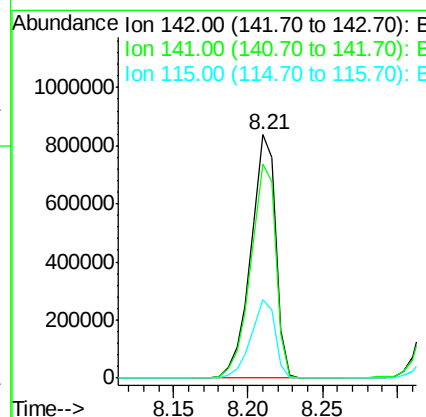
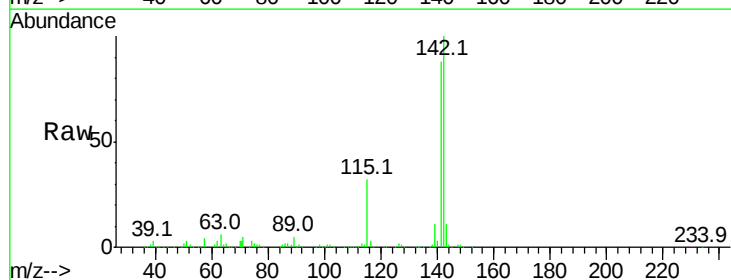
Manual Integrations
 APPROVED

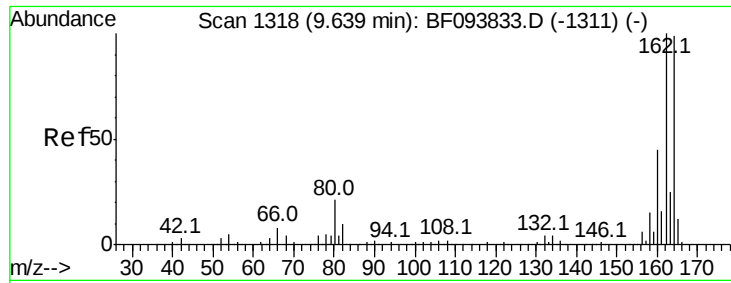
mohammad
 4/11/2017 12:53:38 PM



#37
 2-Methylnaphthalene
 Concen: 50.10 ng
 RT: 8.21 min Scan# 1075
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.3	106.9
115	32.4	27.1	40.7





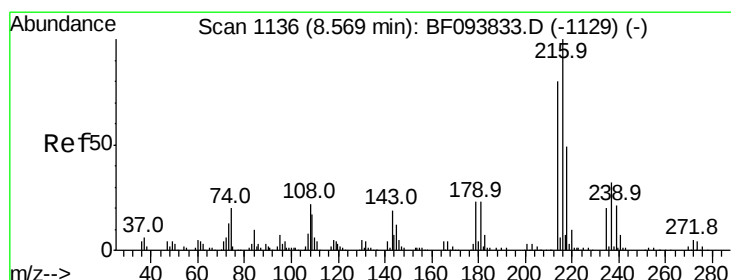
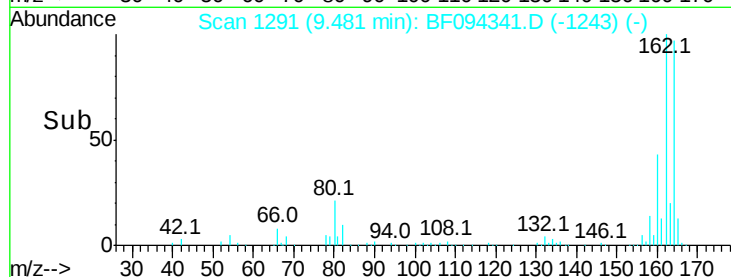
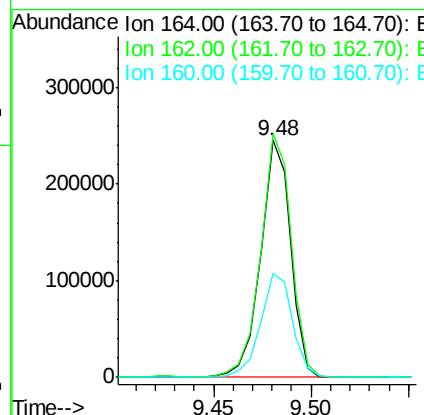
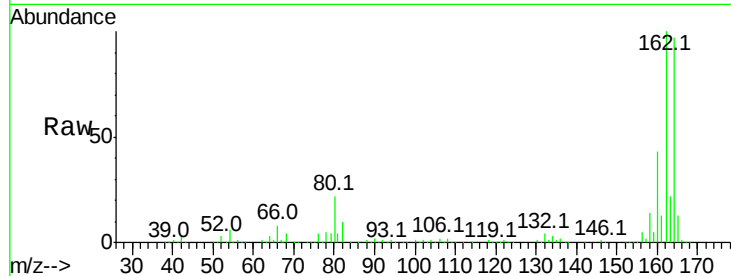
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.48 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion:	164	Resp:	260047
Ion Ratio	Lower	Upper	
164	100		
162	102.8	82.6	123.8
160	44.0	36.2	54.2

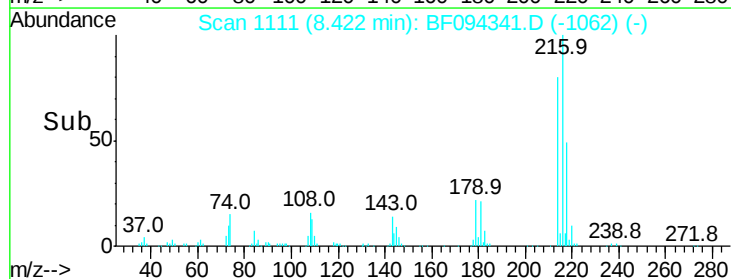
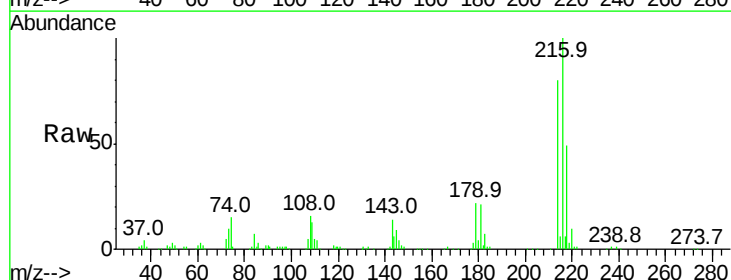
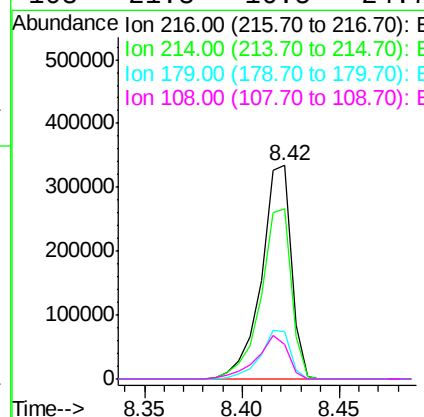
Manual Integrations
 APPROVED

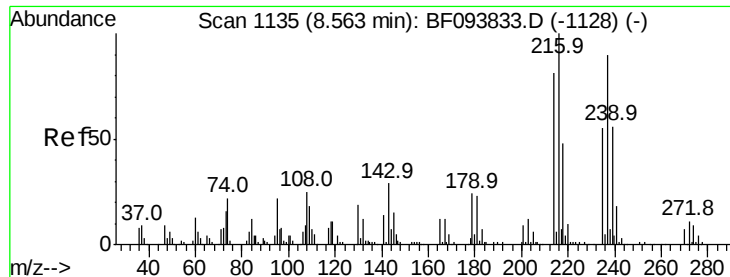
mohammad
 4/11/2017 12:53:38 PM



#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 50.18 ng
 RT: 8.42 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion:	216	Resp:	356964
Ion Ratio	Lower	Upper	
216	100		
214	80.5	63.4	95.2
179	22.8	17.9	26.9
108	21.3	16.5	24.7





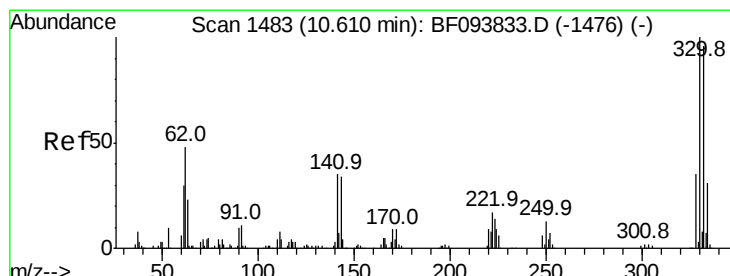
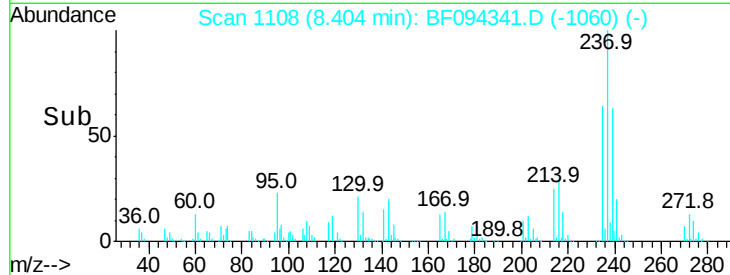
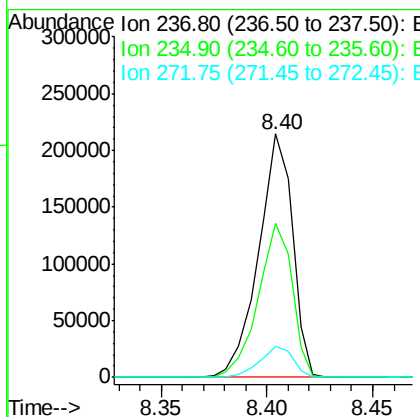
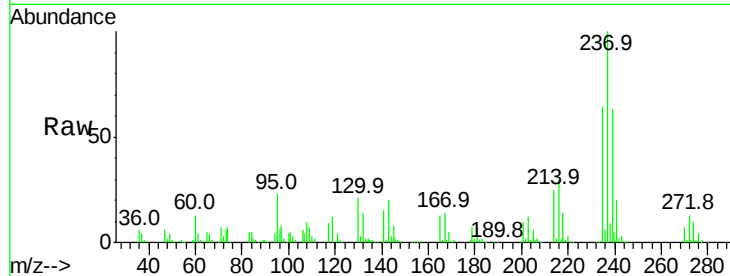
#40
Hexachlorocyclopentadiene
Concen: 72.26 ng
RT: 8.40 min Scan# 1108
Delta R.T. -0.02 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100	240555		
235	63.5	42.6	82.6	
272	13.0	0.0	31.9	

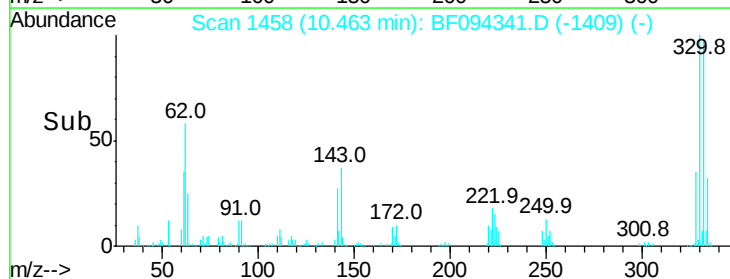
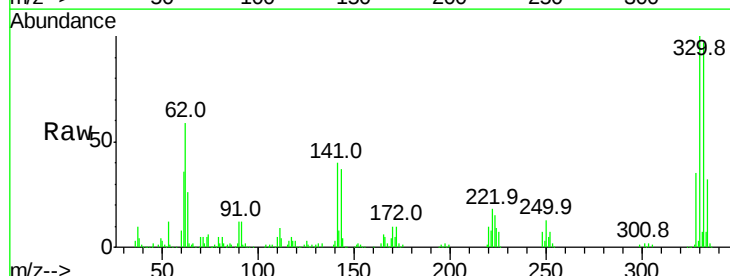
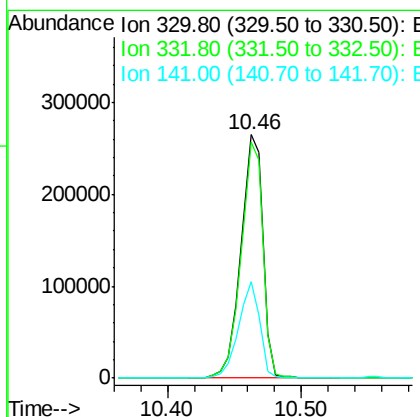
Manual Integrations
APPROVED

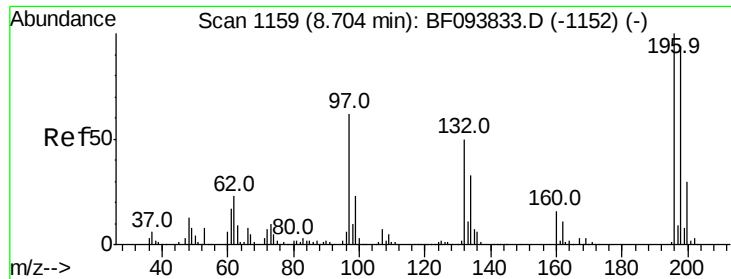
mohammad
4/11/2017 12:53:38 PM



#41
2,4,6-Tribromophenol
Concen: 147.04 ng
RT: 10.46 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	302165		
332	96.0	76.6	115.0	
141	38.8	31.4	47.2	





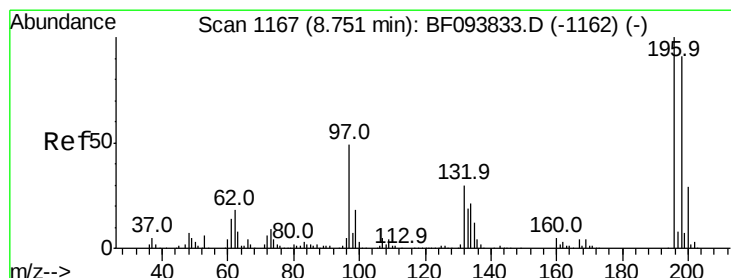
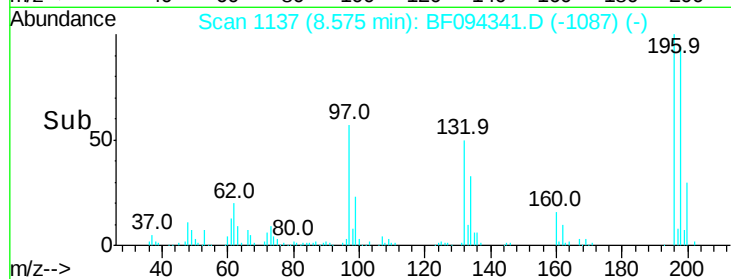
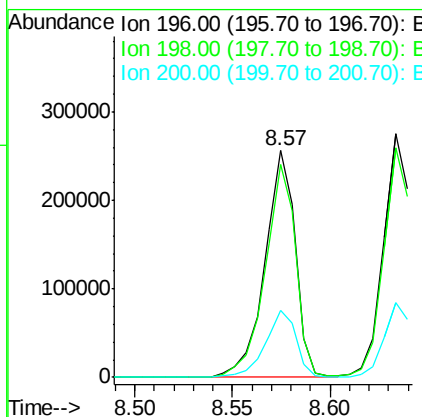
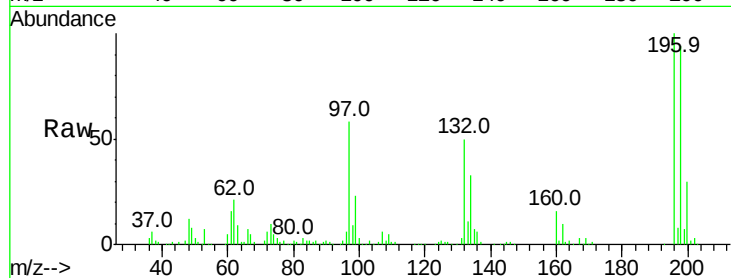
#42
 2,4,6-Trichlorophenol
 Concen: 54.96 ng
 RT: 8.57 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion:	196	Resp:	276621
Ion Ratio	Lower	Upper	
196	100		
198	93.9	74.2	111.4
200	29.5	24.0	36.0

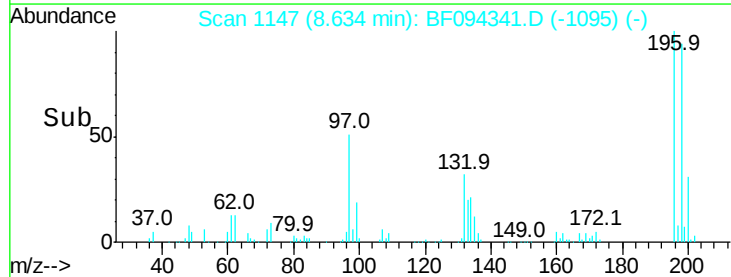
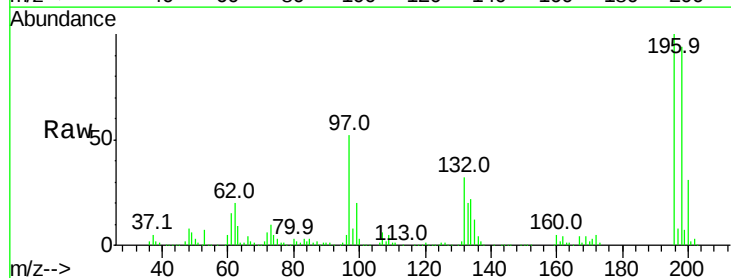
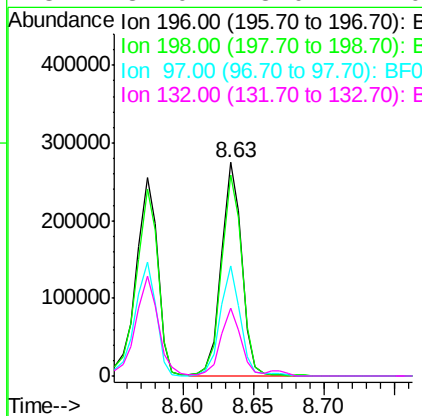
Manual Integrations
 APPROVED

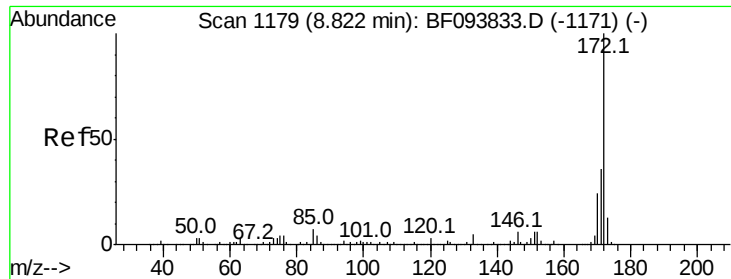
mohammad
 4/11/2017 12:53:38 PM



#43
 2,4,5-Trichlorophenol
 Concen: 50.54 ng
 RT: 8.63 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion:	196	Resp:	275261
Ion Ratio	Lower	Upper	
196	100		
198	94.1	75.7	113.5
97	51.8	47.7	71.5
132	32.0	28.0	42.0





#44

2-Fluorobiphenyl

Concen: 93.31 ng

RT: 8.67 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:172 Resp: 1590860

Ion Ratio Lower Upper

172 100

171 36.7 29.6 44.4

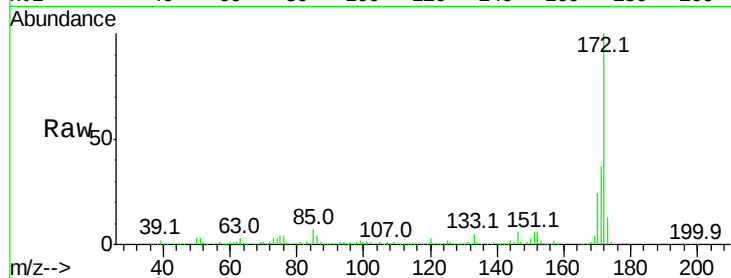
170 23.9 19.8 29.8

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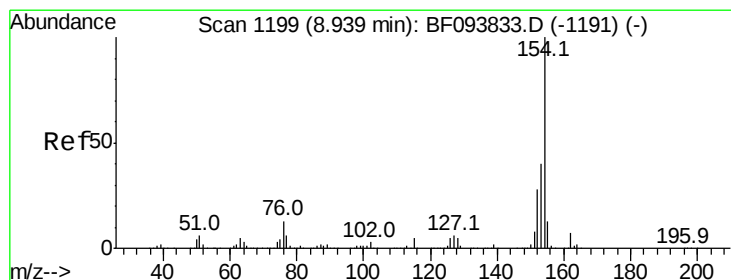
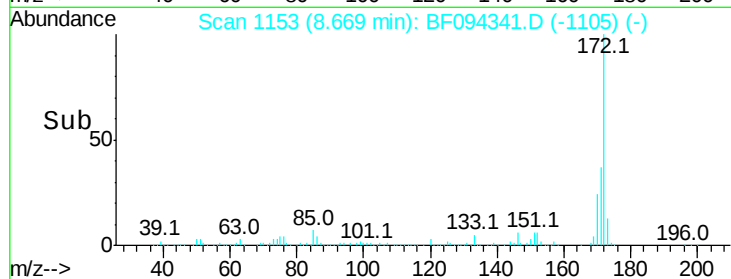
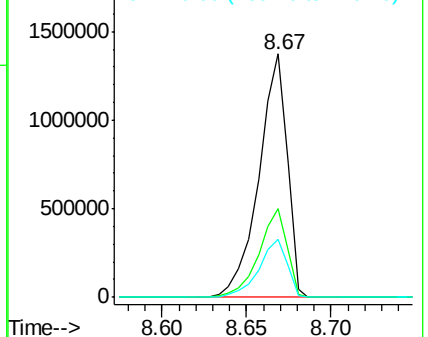
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 49.31 ng

RT: 8.79 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

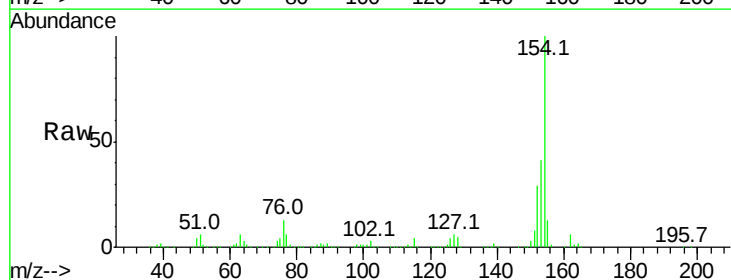
Tgt Ion:154 Resp: 1034355

Ion Ratio Lower Upper

154 100

153 40.7 21.2 61.2

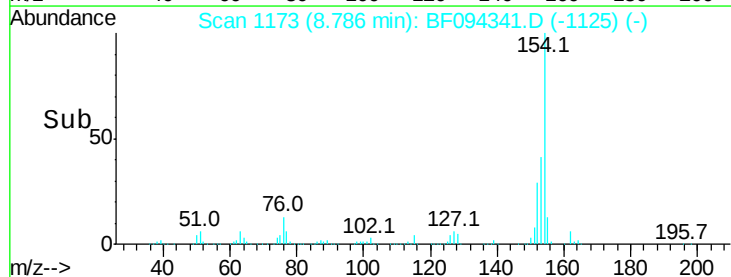
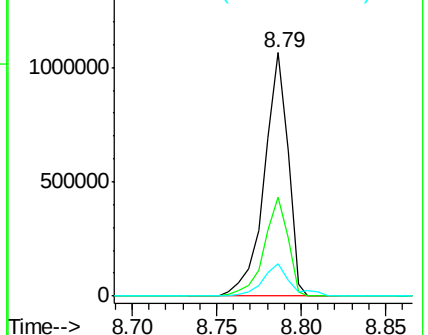
76 13.3 0.0 29.9

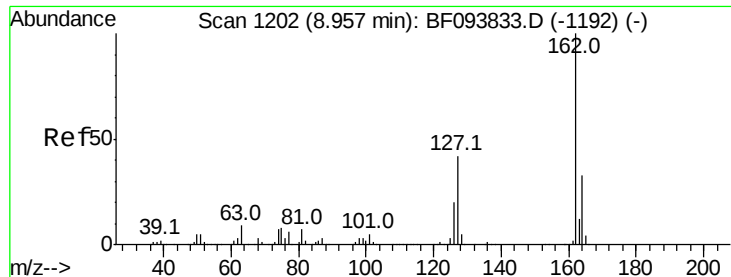


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





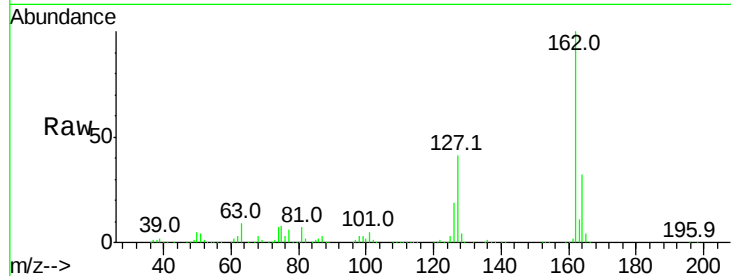
#46
 2-Chloronaphthalene
 Concen: 50.41 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

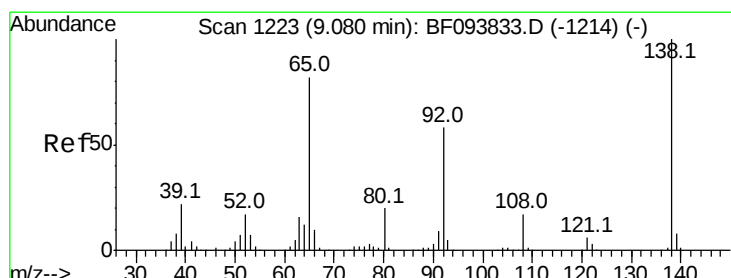
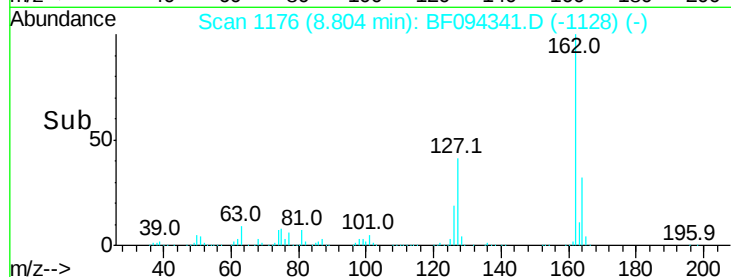
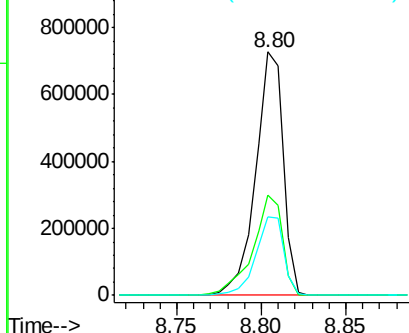
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.2	28.3	42.5
164	32.5	27.0	40.4

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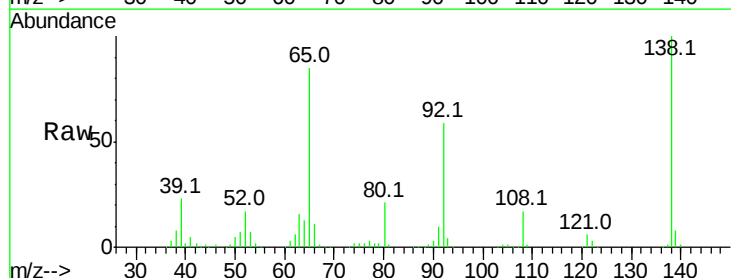


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

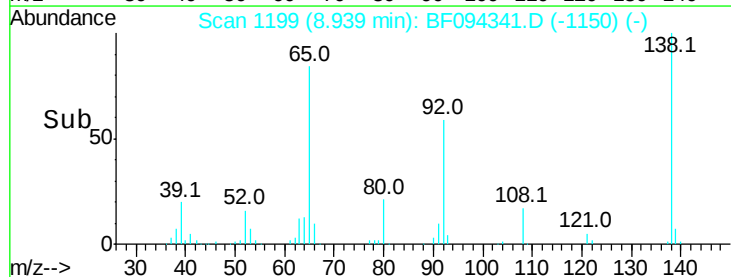
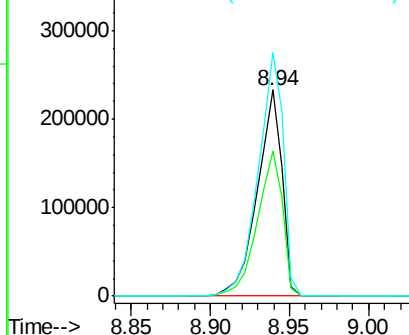


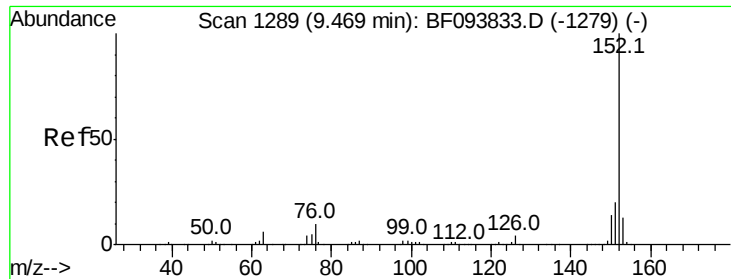
#47
 2-Nitroaniline
 Concen: 52.19 ng
 RT: 8.94 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.0	53.9	80.9
138	118.0	78.8	118.2



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 46.51 ng

RT: 9.31 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:152 Resp: 1269299

Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

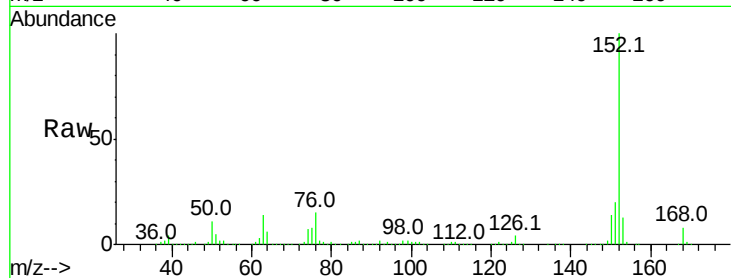
153 13.3 10.8 16.2

Manual Integrations

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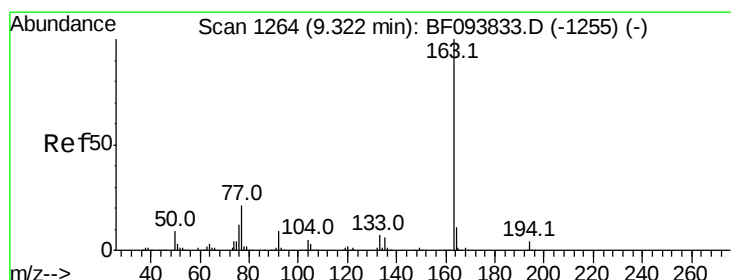
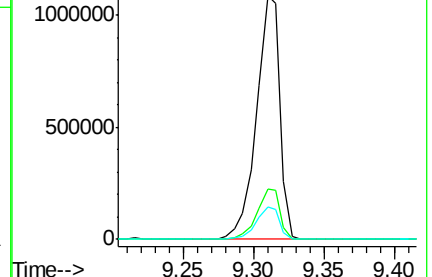
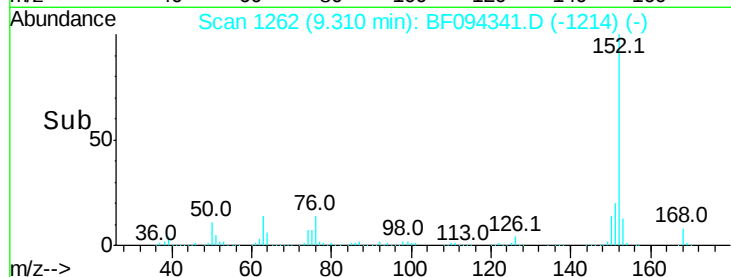
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 77.33 ng

RT: 9.18 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

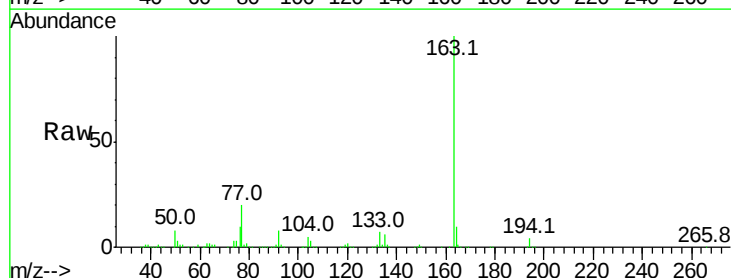
Tgt Ion:163 Resp: 1429532

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

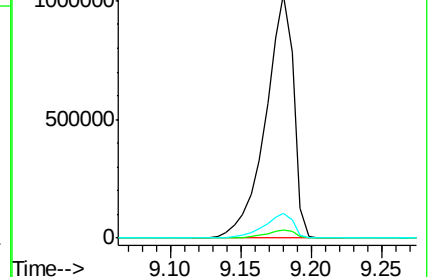
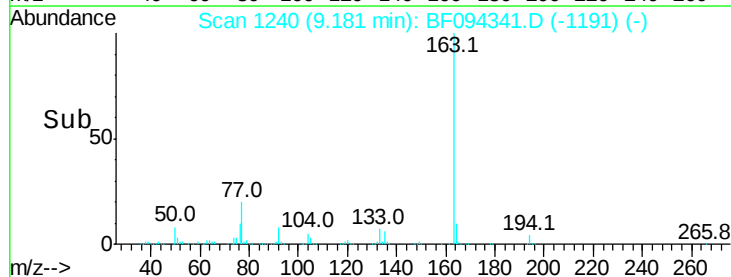
164 10.0 8.4 12.6

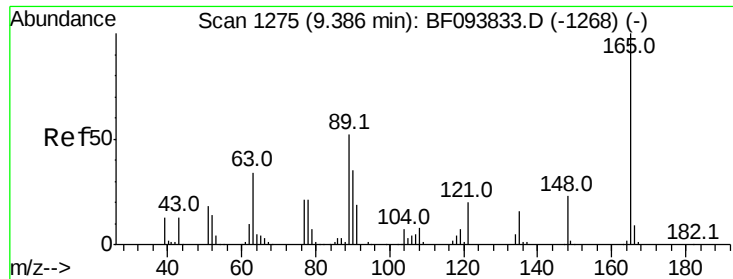


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





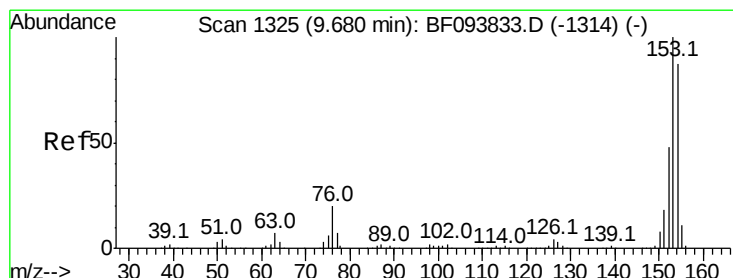
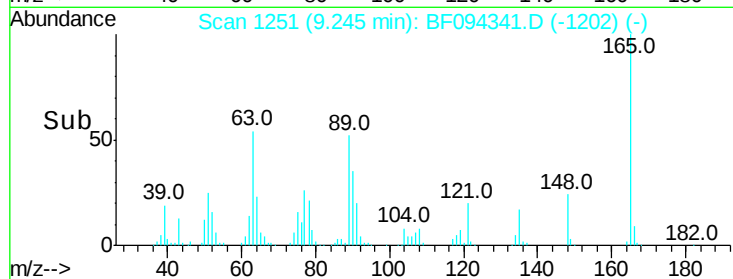
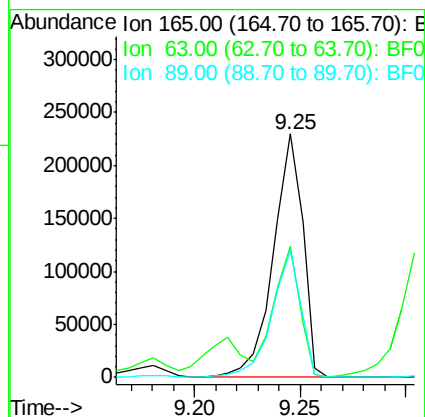
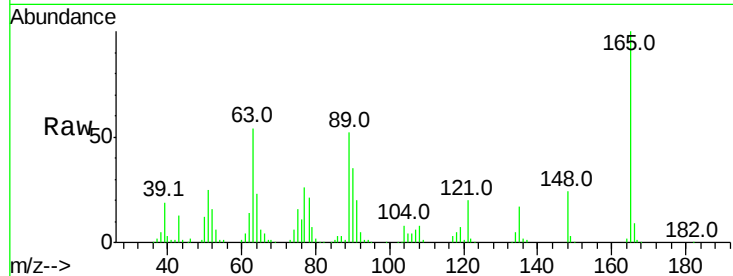
#50
 2,6-Dinitrotoluene
 Concen: 52.91 ng
 RT: 9.25 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	53.7	34.3	51.5#	
89	52.3	37.1	55.7	

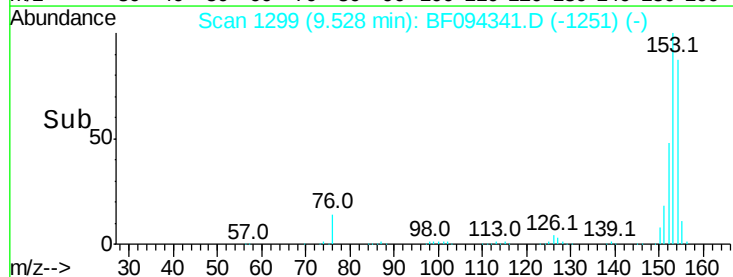
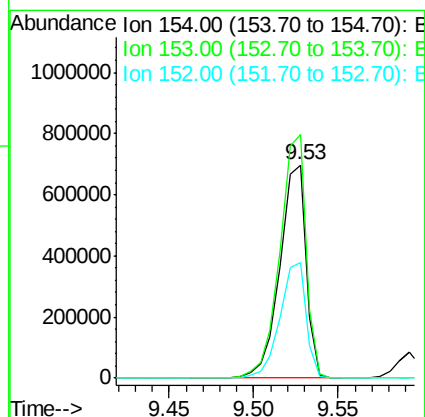
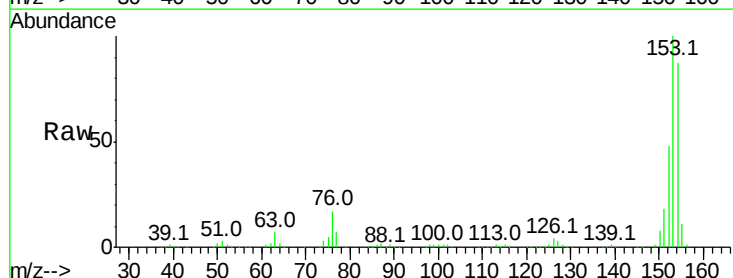
Manual Integrations
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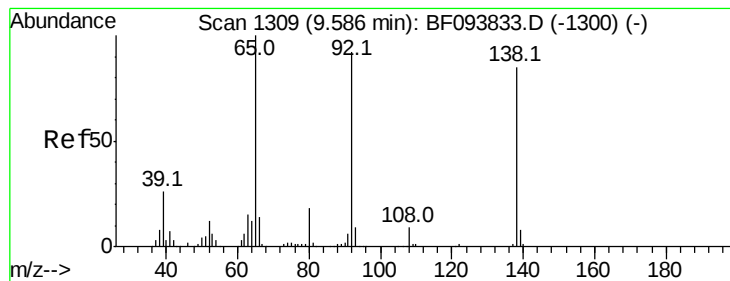
mohammad
 4/11/2017 12:53:38 PM



#51
 Acenaphthene
 Concen: 47.56 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.3	90.5	135.7	
152	54.6	43.6	65.4	





#52

3-Nitroaniline

Concen: 32.00 ng

RT: 9.45 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:138 Resp: 159205

Ion Ratio Lower Upper

138 100

108 10.4 9.1 13.7

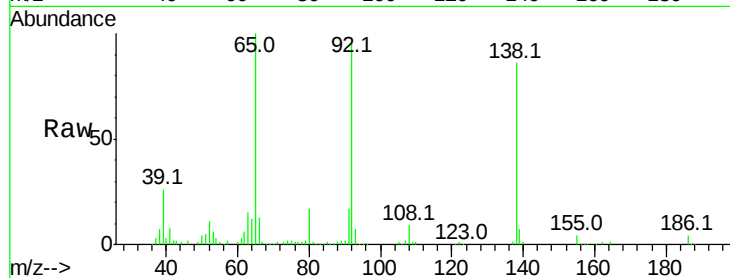
92 112.6 93.8 140.6

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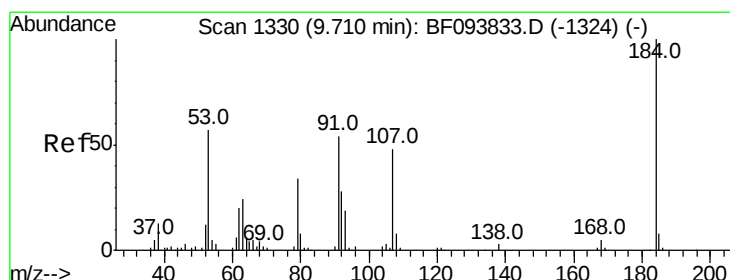
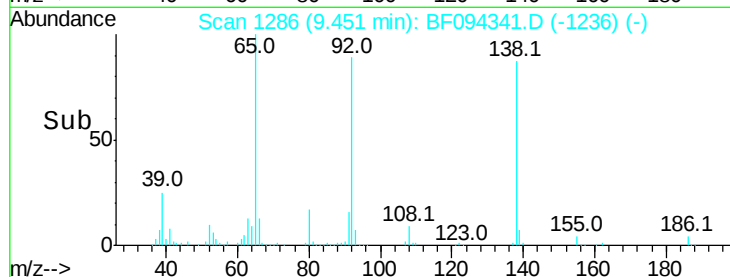
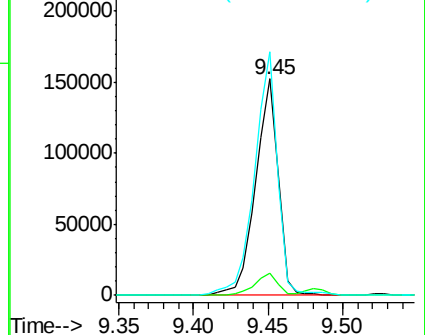
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 61.99 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

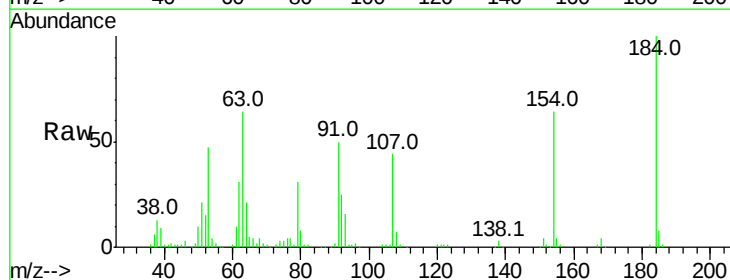
Tgt Ion:184 Resp: 138041

Ion Ratio Lower Upper

184 100

63 63.6 62.7 94.1

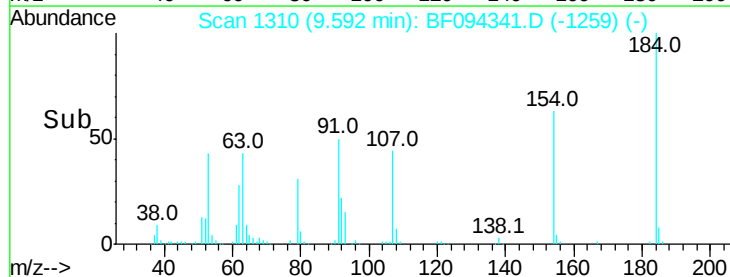
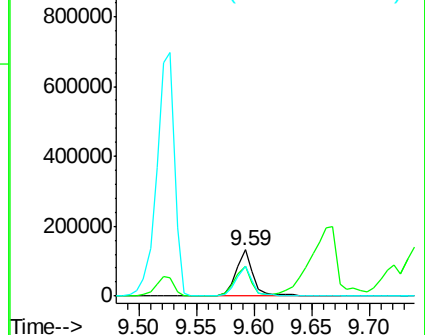
154 63.7 81.1 121.7#

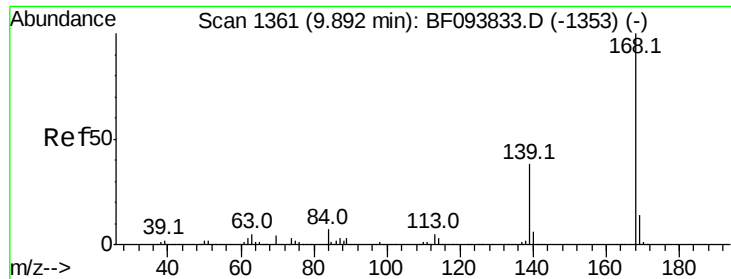


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





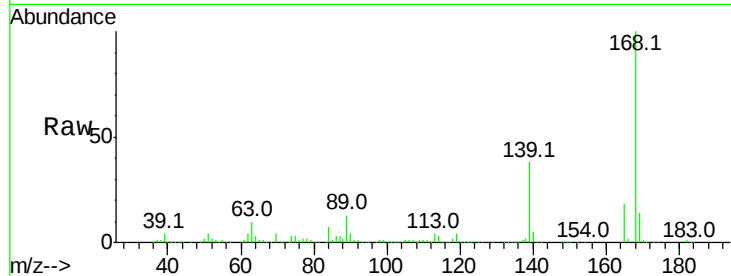
#54
Dibenzofuran
Concen: 49.77 ng
RT: 9.75 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

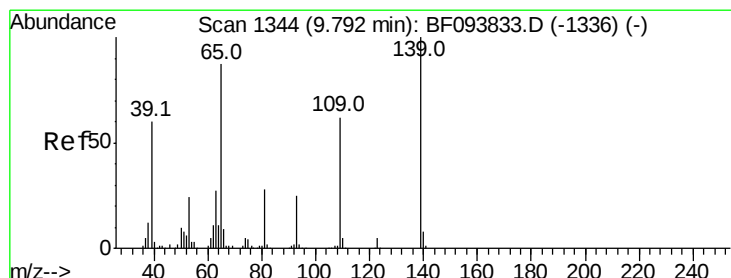
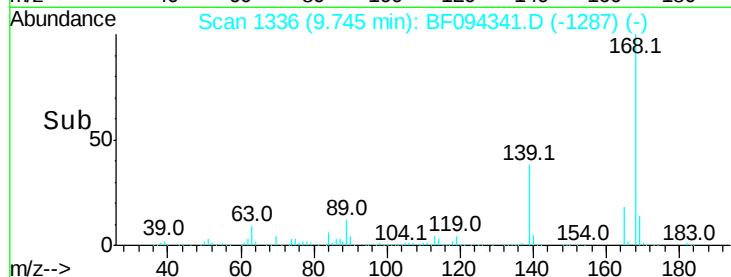
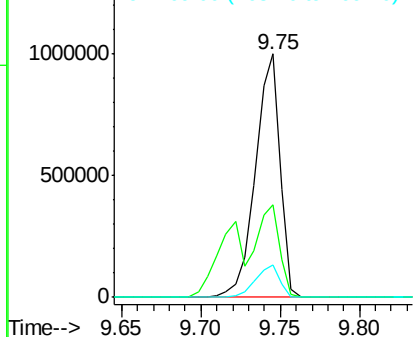
Tot Ion:168 Resp: 1078703
Ion Ratio Lower Upper
168 100
139 38.2 30.6 45.8
169 13.5 10.8 16.2

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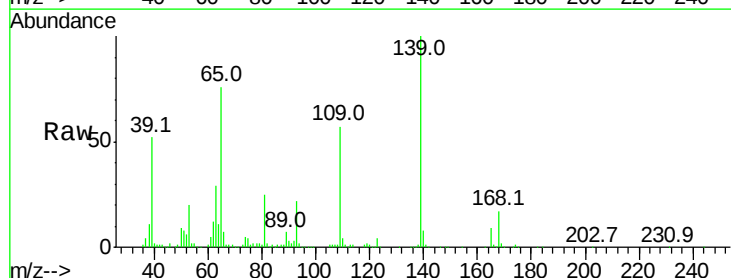


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

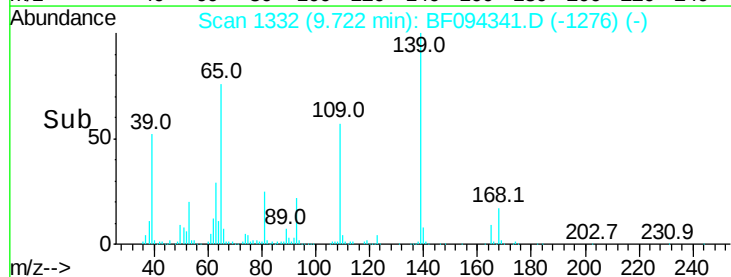
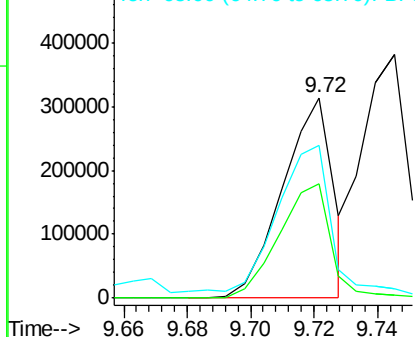


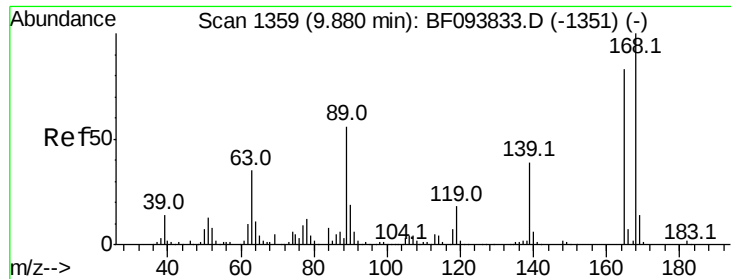
#55
4-Nitrophenol
Concen: 88.90 ng
RT: 9.72 min Scan# 1332
Delta R.T. 0.03 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tgt Ion:139 Resp: 346426
Ion Ratio Lower Upper
139 100
109 57.4 34.1 74.1
65 76.5 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





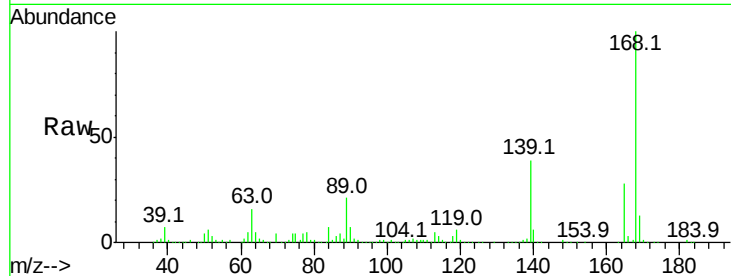
#56
2,4-Dinitrotoluene
Concen: 48.84 ng
RT: 9.74 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	58.3	25.4	38.0#
89	77.8	46.4	69.6#
182	2.3	1.8	2.6

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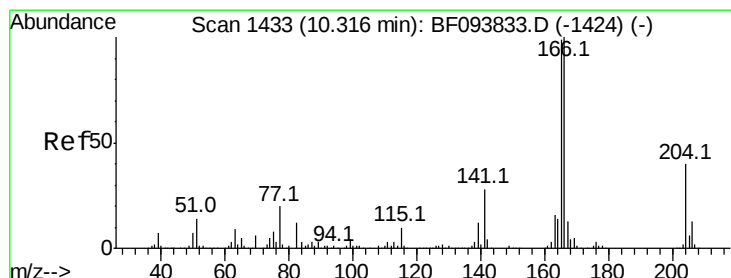
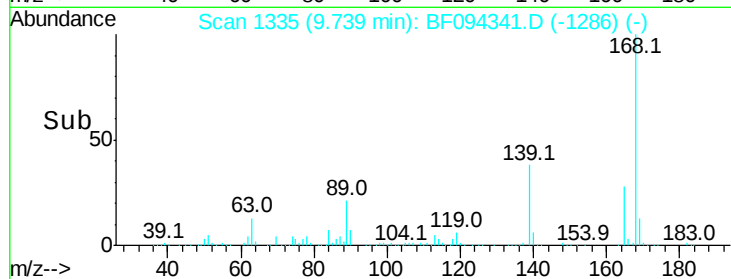
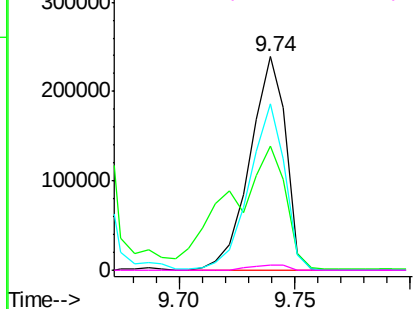


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



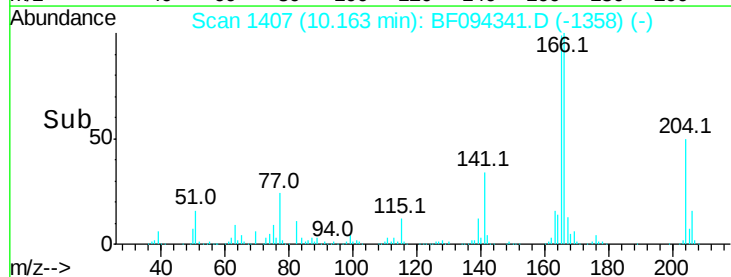
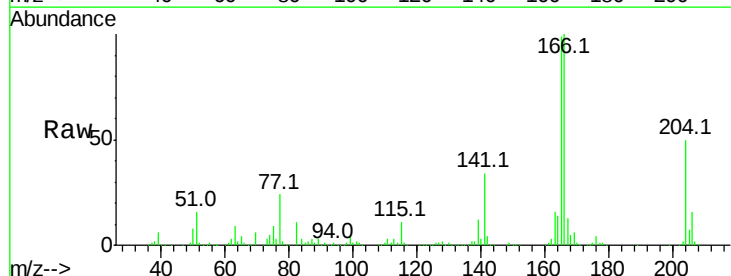
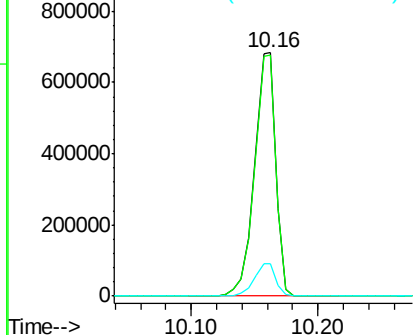
#57
Fluorene
Concen: 45.20 ng
RT: 10.16 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

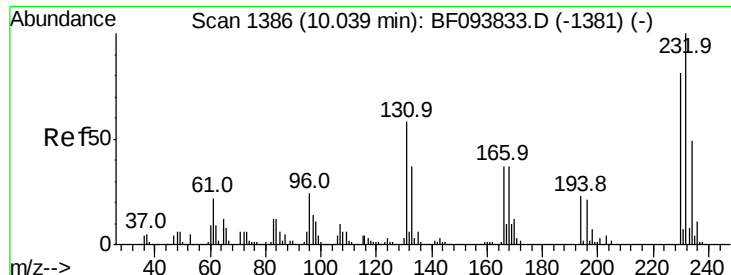
Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	98.8	78.8	118.2
167	13.4	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#58

2,3,4,6-Tetrachlorophenol

Concen: 52.89 ng

RT: 9.90 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:232 Resp: 197627
Ion Ratio Lower Upper

232 100

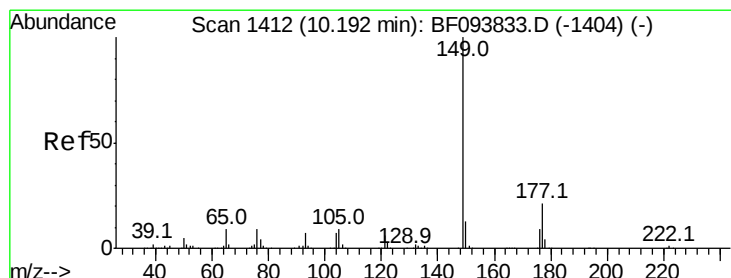
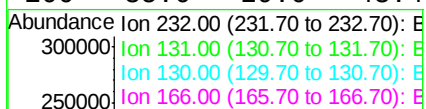
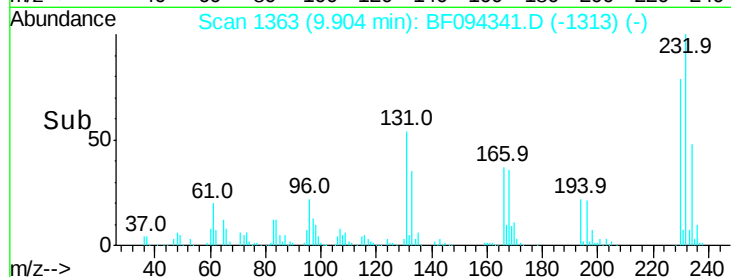
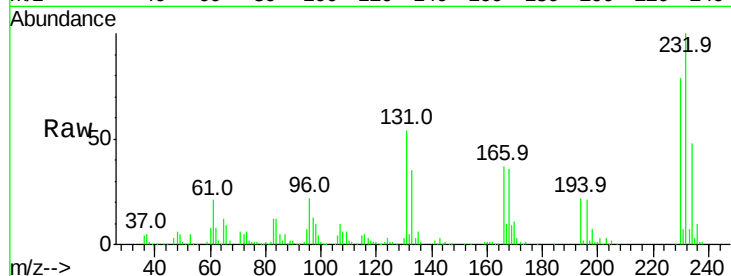
131 51.7 44.8 67.2

130 2.6 2.3 3.5

166 35.6 29.0 43.4

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#59

Diethylphthalate

Concen: 51.53 ng

RT: 10.05 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BF094341.D

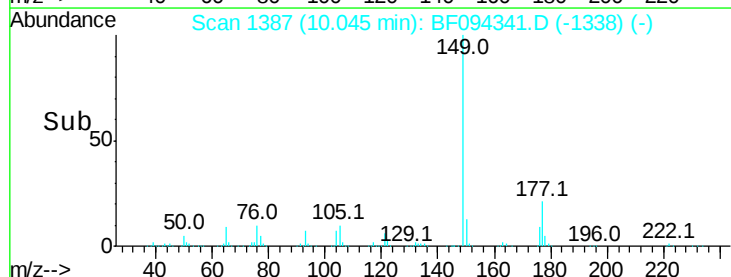
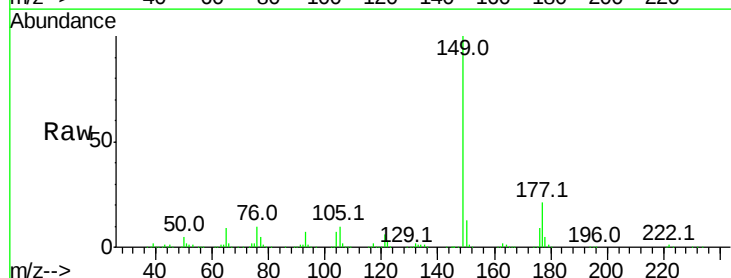
Acq: 11 Apr 2017 6:25

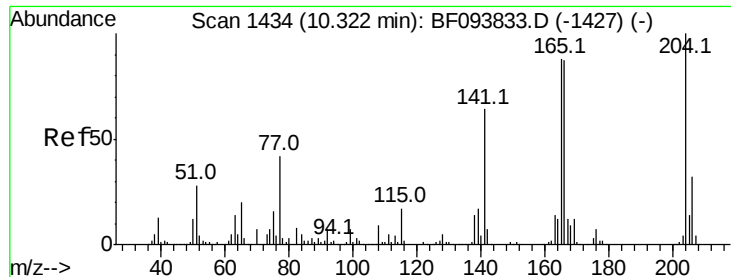
Tgt Ion:149 Resp: 941513
Ion Ratio Lower Upper

149 100

177 21.5 16.7 25.1

150 12.7 10.2 15.2





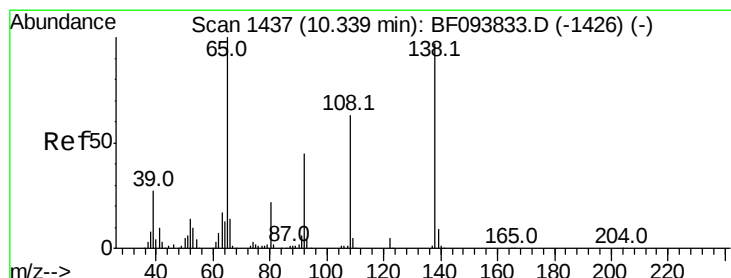
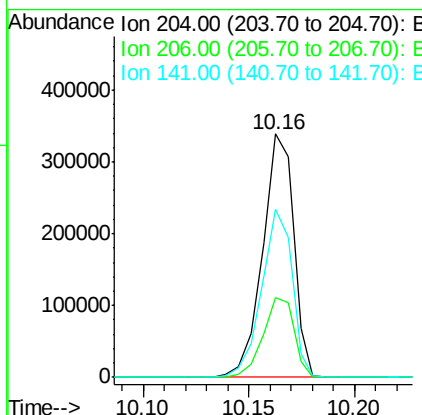
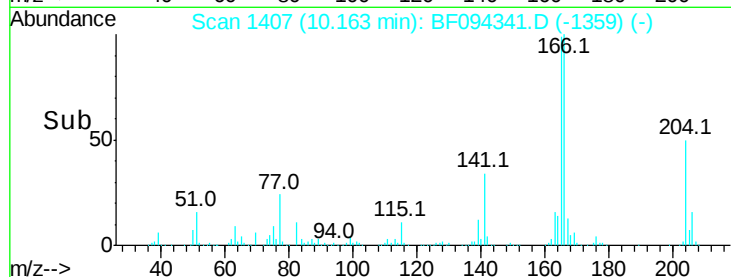
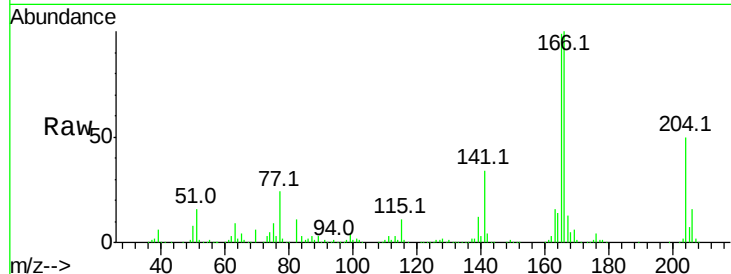
#60
 4-Chlorophenyl-phenylether
 Concen: 45.45 ng
 RT: 10.16 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion:	204	Resp:	348067
Ion Ratio	Lower	Upper	
204	100		
206	32.8	26.2	39.2
141	69.2	60.8	91.2

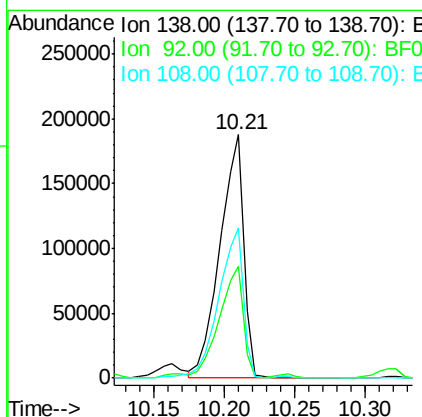
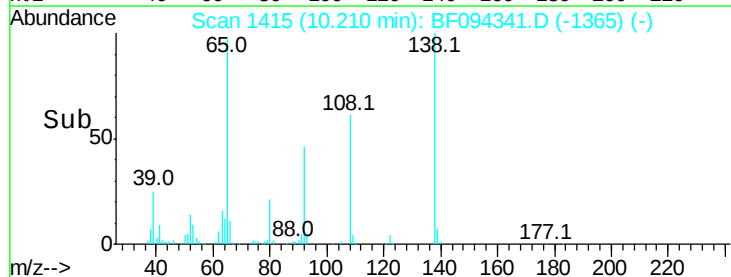
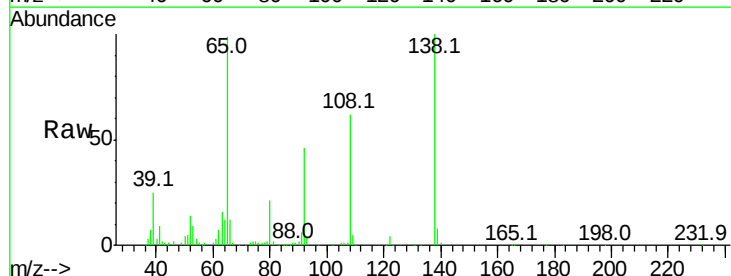
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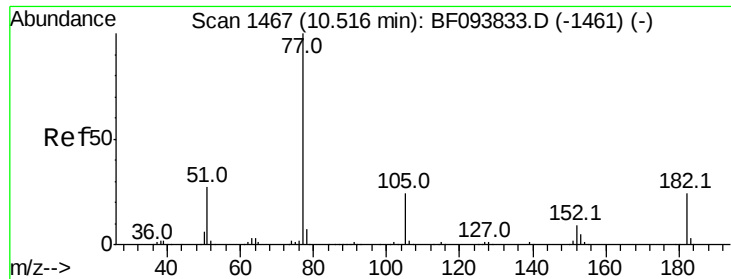
mohammad
 4/11/2017 12:53:38 PM



#61
 4-Nitroaniline
 Concen: 46.11 ng
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion:	138	Resp:	220155
Ion Ratio	Lower	Upper	
138	100		
92	45.8	21.8	61.8
108	61.6	42.3	82.3





#62

Azobenzene

Concen: 50.70 ng

RT: 10.36 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

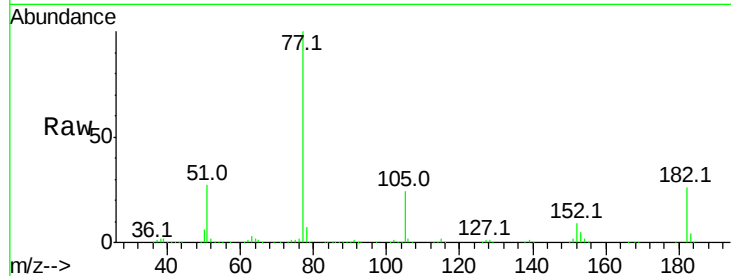
ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	26.1	0.1	40.1		
105	24.2	3.6	43.6		
51	26.7	9.4	49.4		

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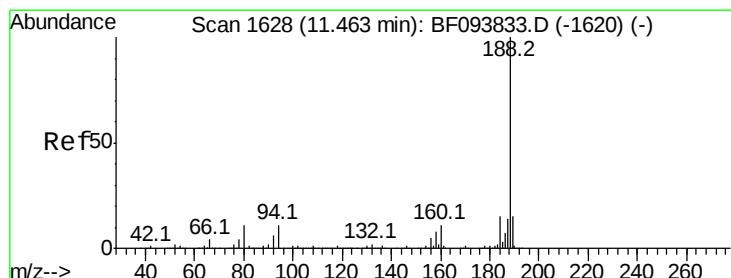
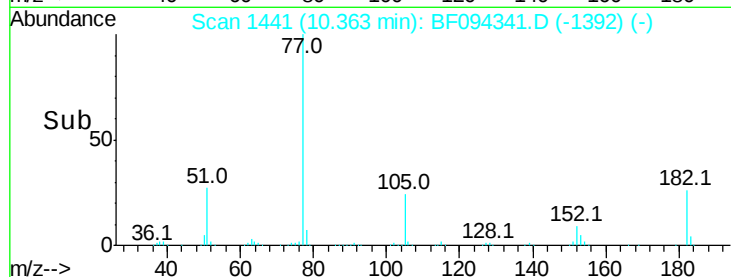
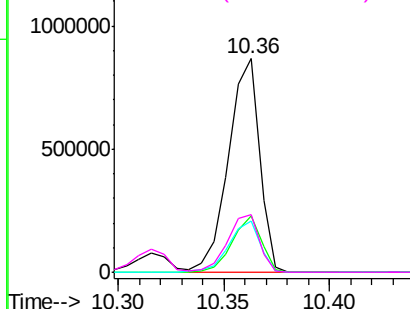


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1601

Delta R.T. -0.02 min

Lab File: BF094341.D

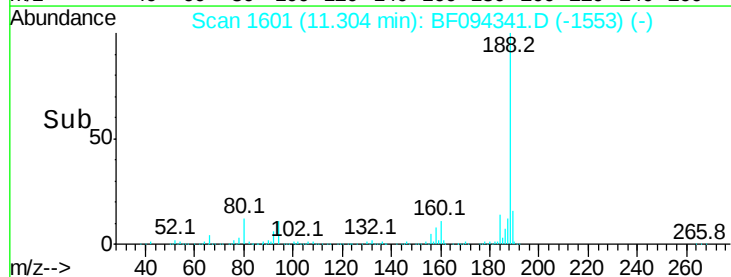
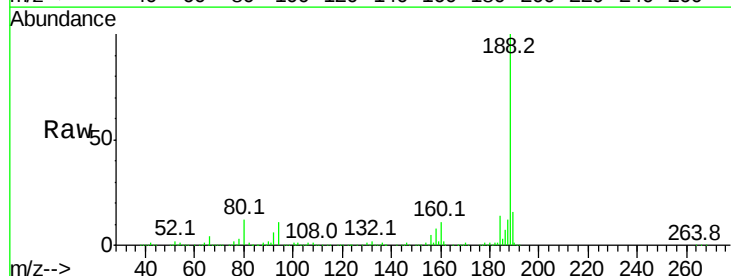
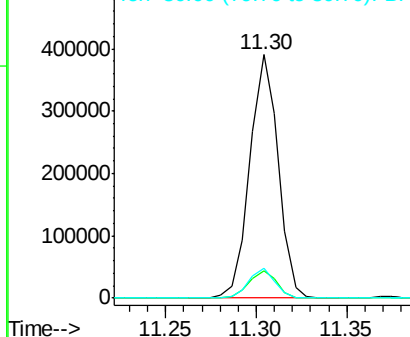
Acq: 11 Apr 2017 6:25

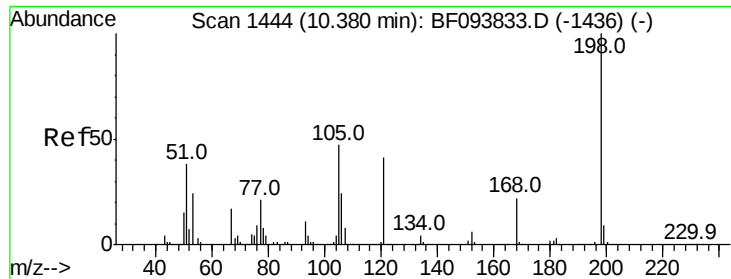
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.2	9.4	14.2		
80	12.4	10.2	15.2		

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 43.13 ng

RT: 10.25 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:198 Resp: 112020

Ion Ratio Lower Upper

198 100

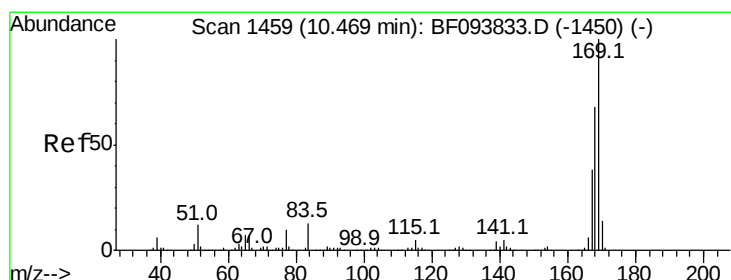
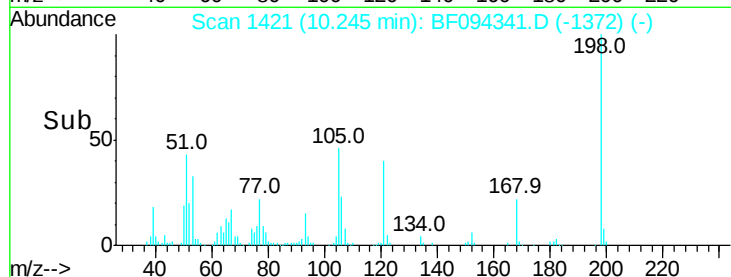
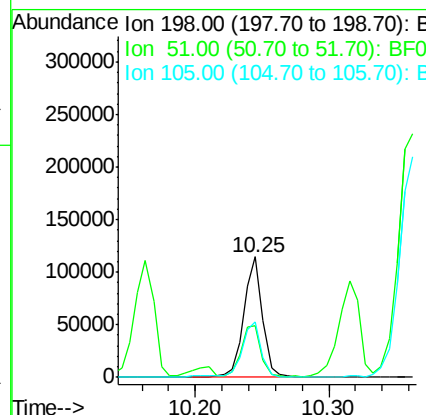
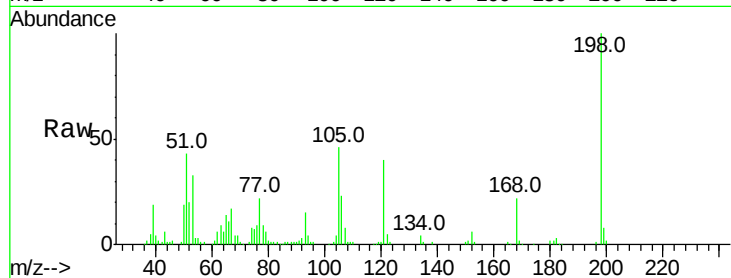
51 43.0 53.2 93.2#

105 46.5 45.8 85.8

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#65

n-Nitrosodiphenylamine

Concen: 52.65 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

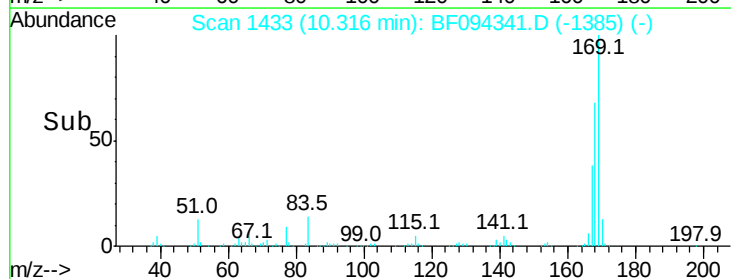
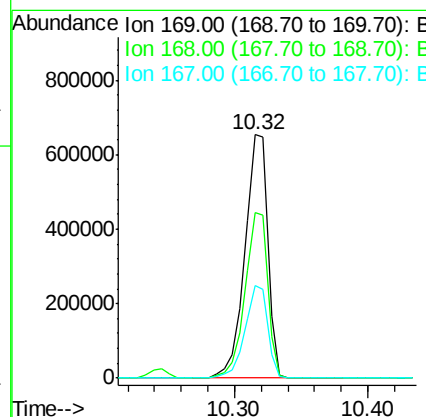
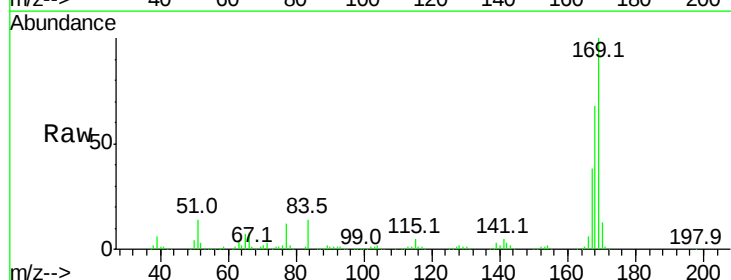
Tgt Ion:169 Resp: 772154

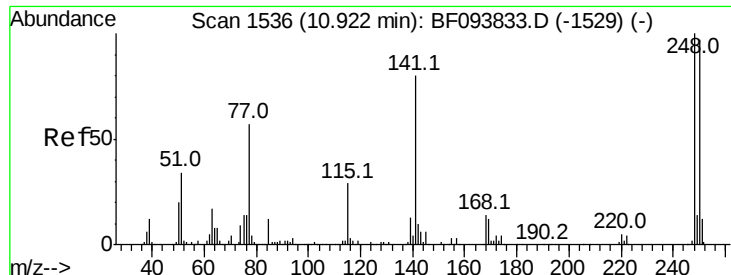
Ion Ratio Lower Upper

169 100

168 68.2 53.2 79.8

167 38.0 29.5 44.3





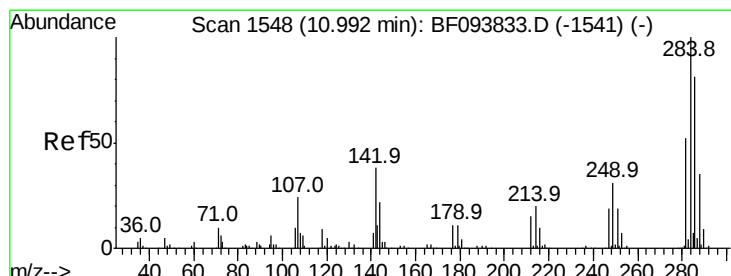
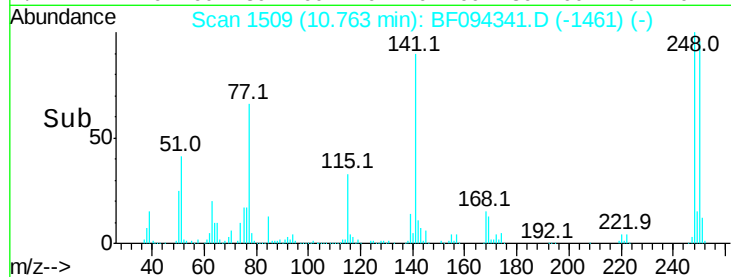
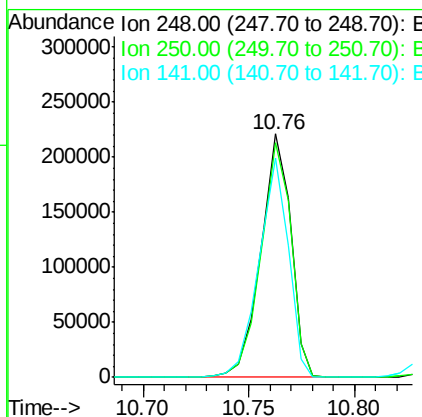
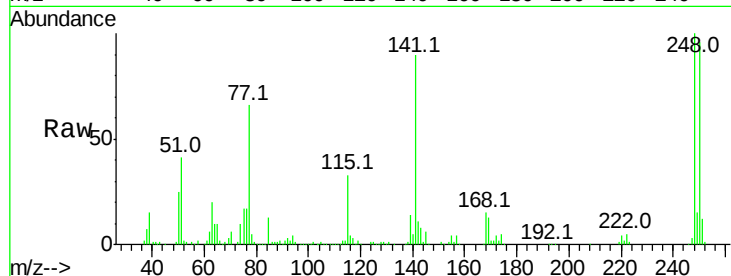
#66
 4-Bromophenyl-phenylether
 Concen: 52.73 ng
 RT: 10.76 min Scan# 1509
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion:	248	Resp:	219930
Ion Ratio	Lower	Upper	
248	100		
250	96.2	76.8	115.2
141	90.2	68.6	103.0

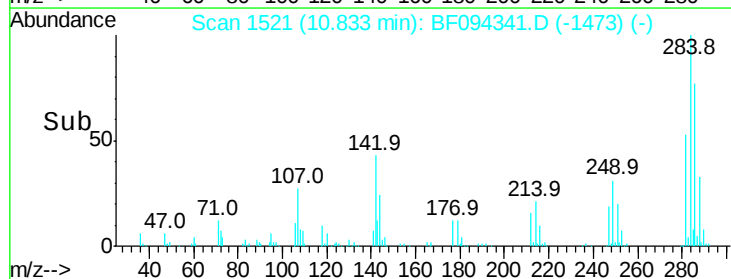
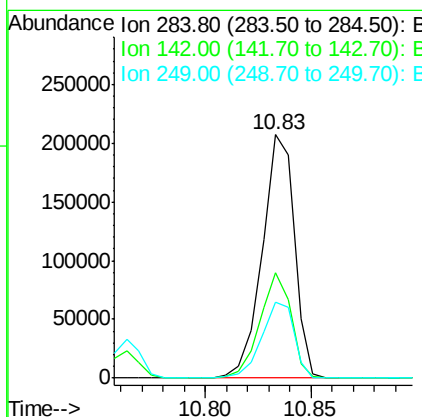
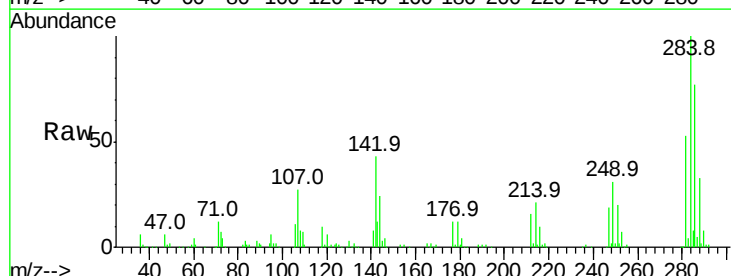
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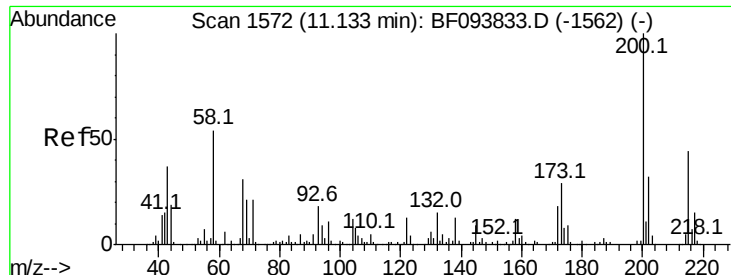
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#67
 Hexachlorobenzene
 Concen: 52.25 ng
 RT: 10.83 min Scan# 1521
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion:	284	Resp:	220615
Ion Ratio	Lower	Upper	
284	100		
142	43.1	22.8	34.2#
249	31.4	24.0	36.0





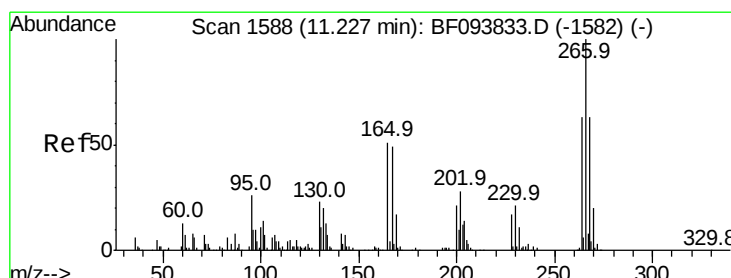
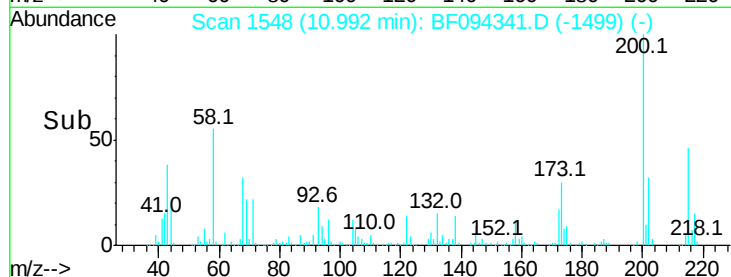
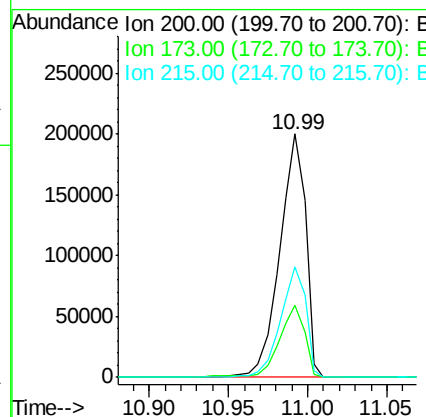
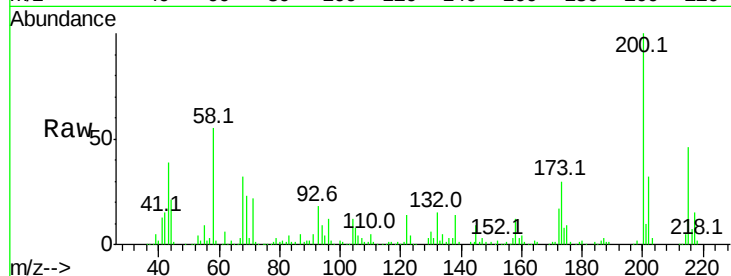
#68
Atrazine
Concen: 51.69 ng
RT: 10.99 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	29.7	6.3	46.3
215	45.6	27.2	67.2

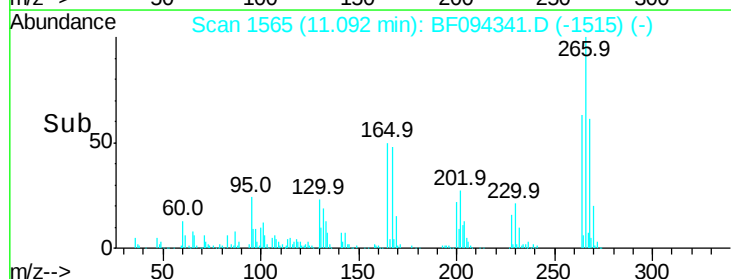
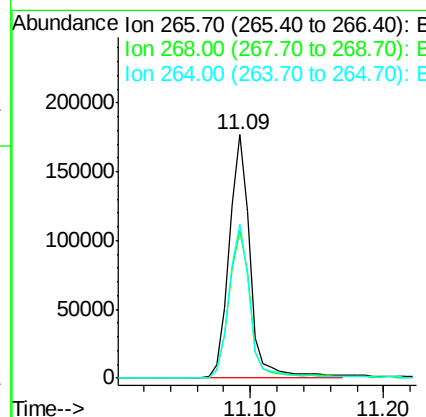
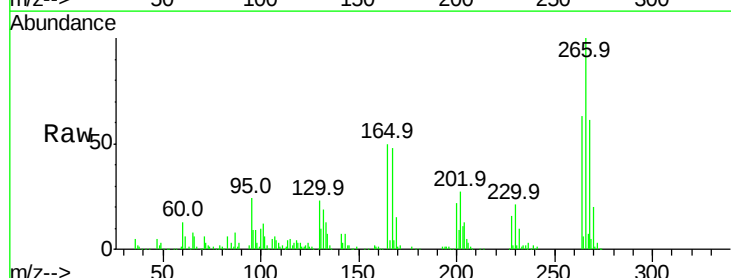
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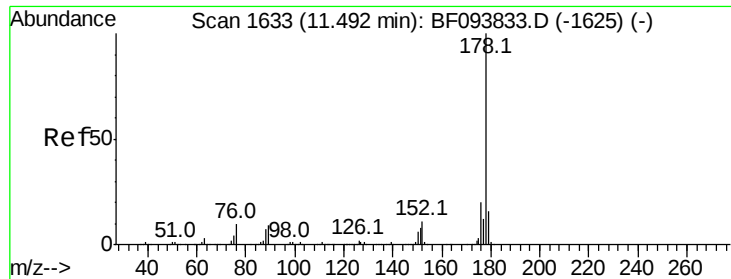
mohammad
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#69
Pentachlorophenol
Concen: 75.26 ng
RT: 11.09 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.7	51.1	76.7
264	63.2	51.7	77.5





#70

Phenanthrene

Concen: 48.75 ng

RT: 11.34 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:178 Resp: 1150070

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

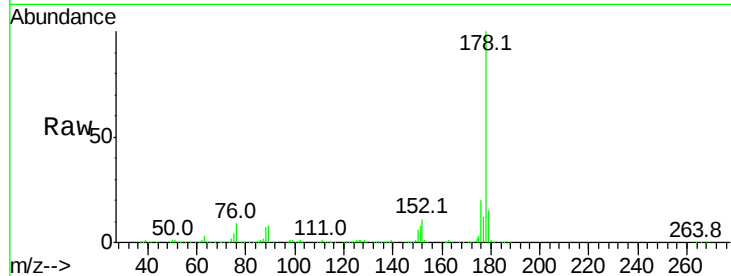
179 15.1 12.6 19.0

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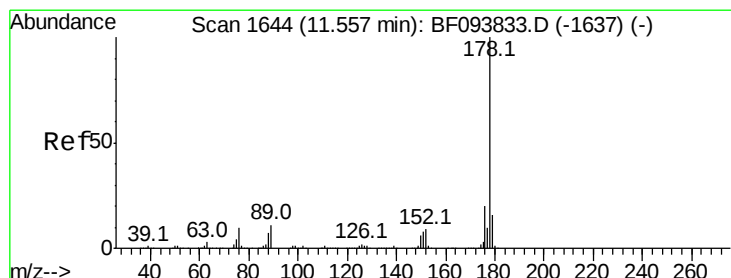
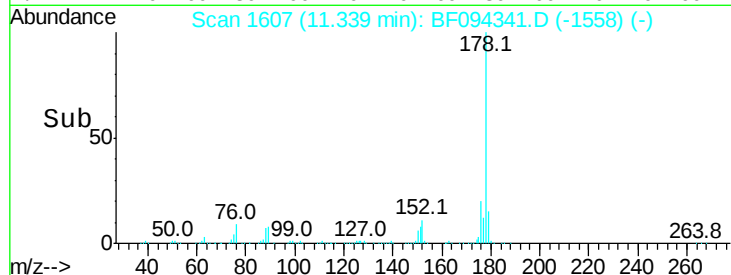
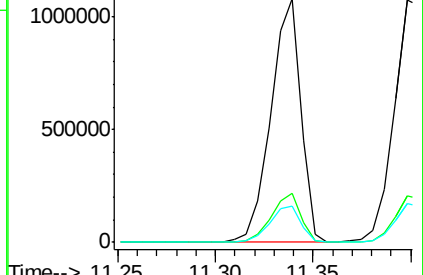
4/11/2017 12:53:38 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 48.85 ng

RT: 11.40 min Scan# 1617

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

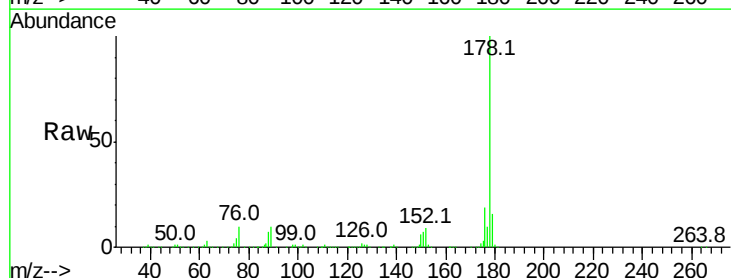
Tgt Ion:178 Resp: 1186579

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

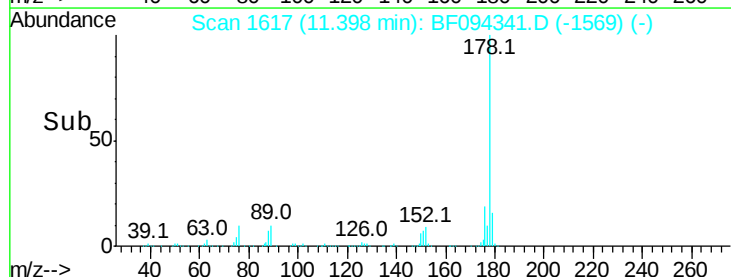
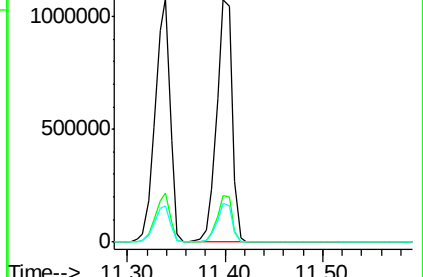
179 15.9 12.7 19.1

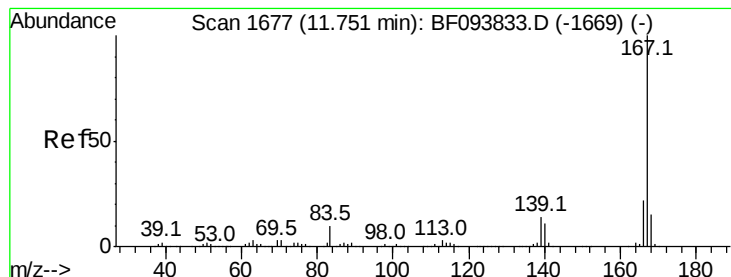


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 45.17 ng

RT: 11.61 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:167 Resp: 1125198

Ion Ratio Lower Upper

167 100

166 22.5 18.1 27.1

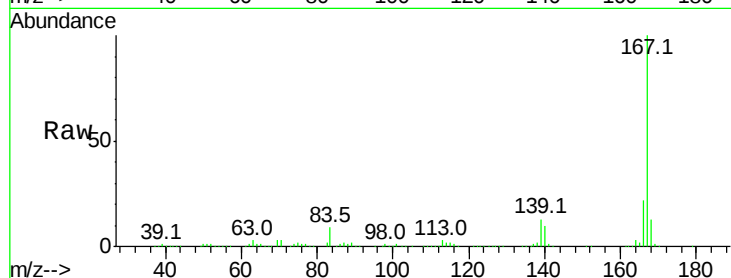
139 13.2 11.7 17.5

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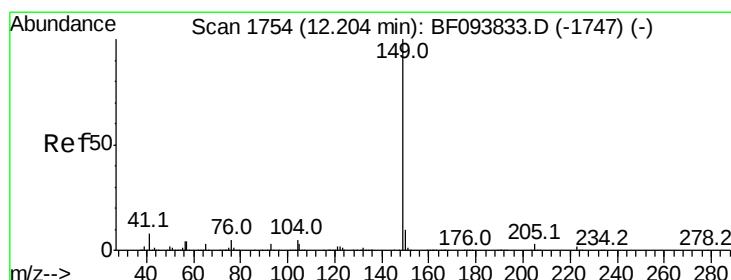
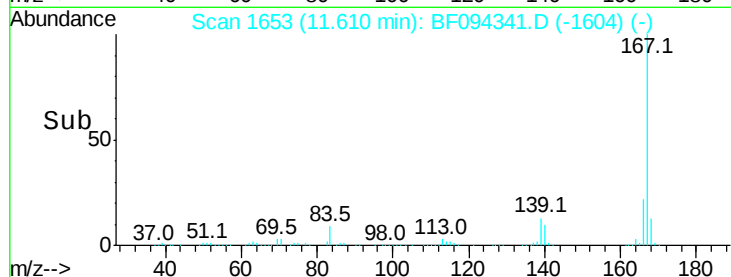
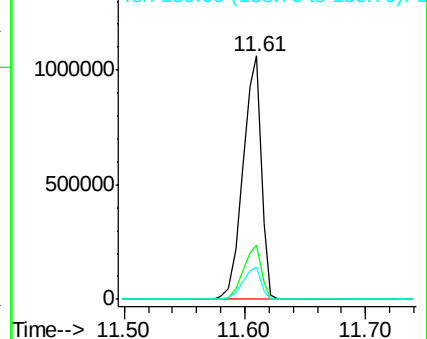
4/11/2017 12:53:38 PM



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: 53.21 ng

RT: 12.05 min Scan# 1728

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

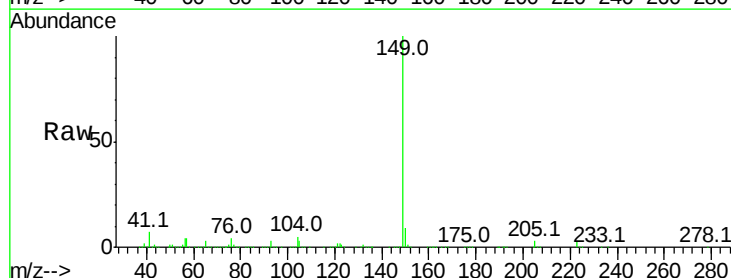
Tgt Ion:149 Resp: 1378328

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

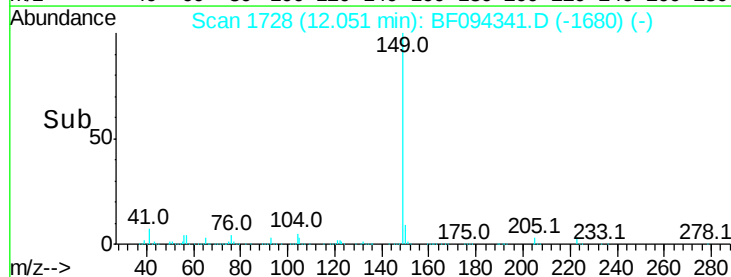
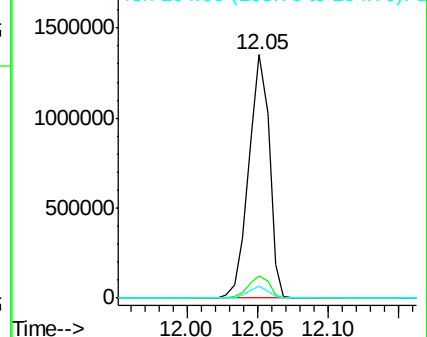
104 4.7 4.0 6.0

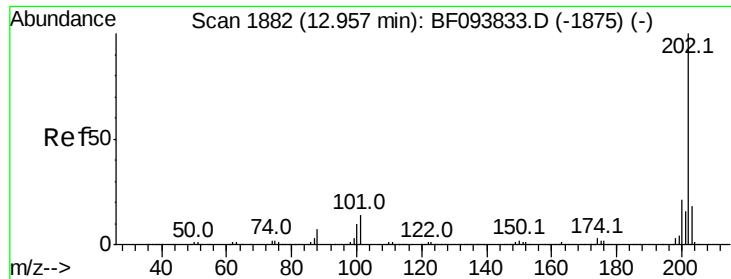


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





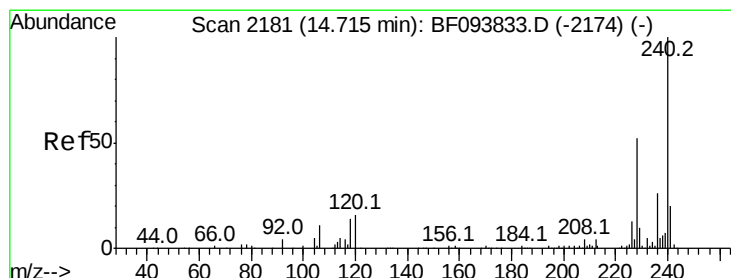
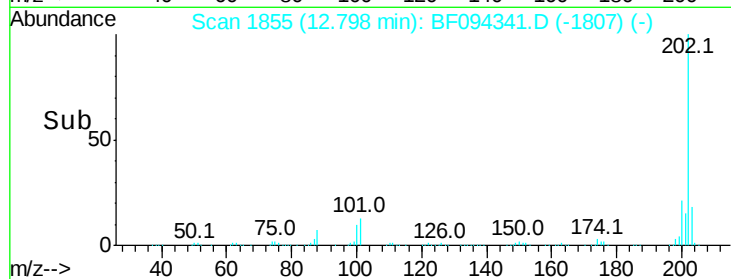
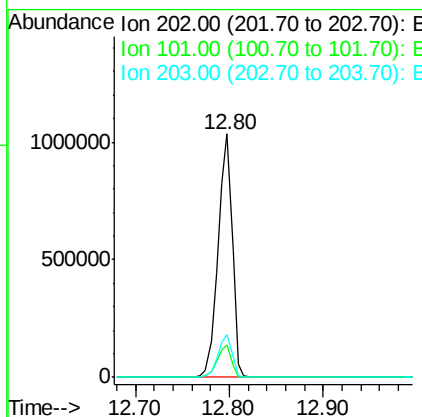
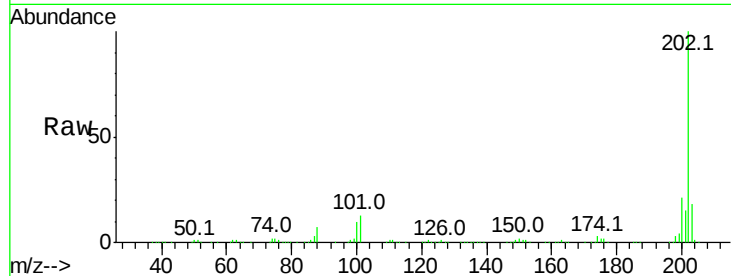
#74
Fluoranthene
 Concen: 45.35 ng
 RT: 12.80 min Scan# 1855
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.7	0.0	38.1

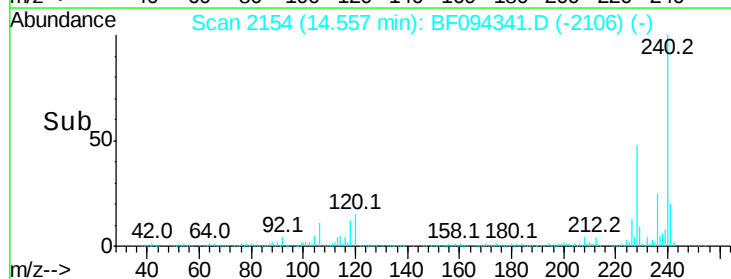
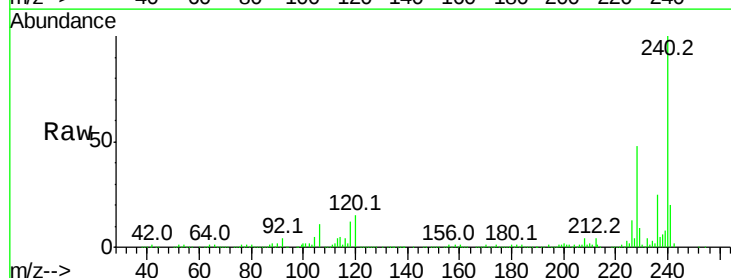
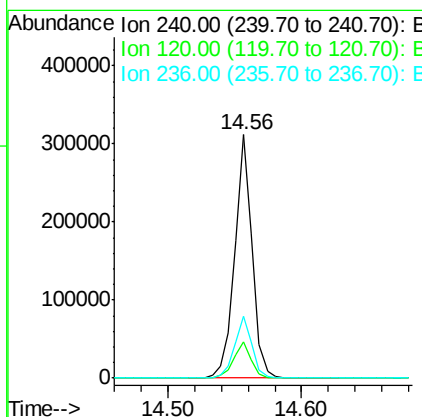
Manual Integrations
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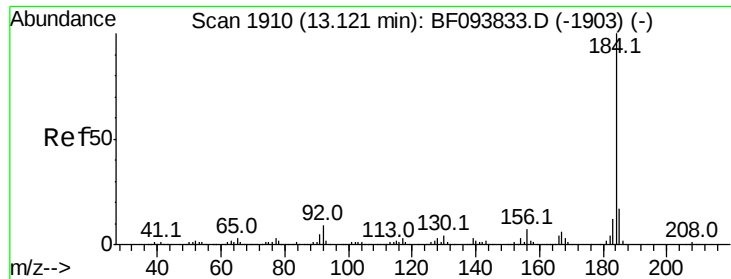
mohammad
 4/11/2017 12:53:38 PM



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.56 min Scan# 2154
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	25.4	20.5	30.7





#76

Benzidine

Concen: 13.57 ng

RT: 12.97 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

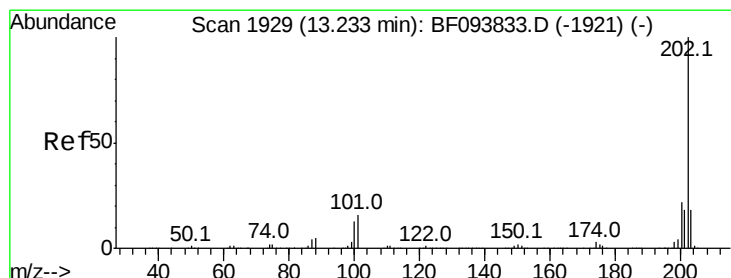
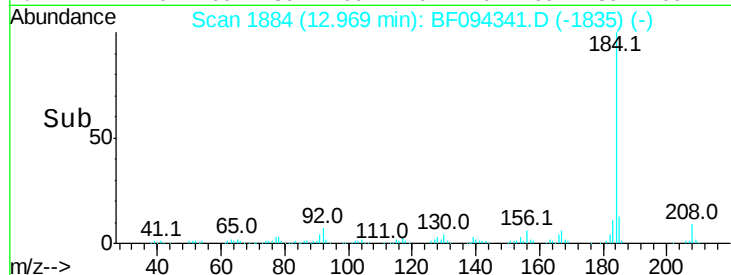
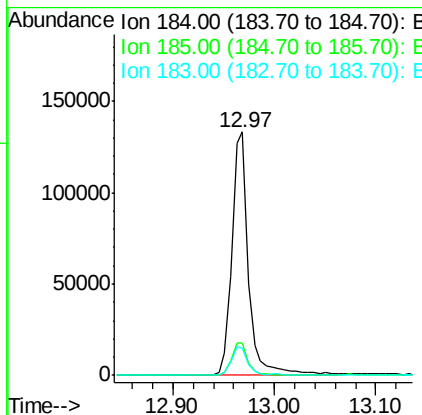
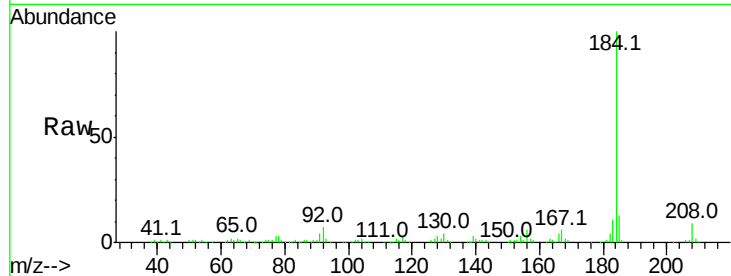
ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	13.3	15.5	23.3#
183	11.1	9.8	14.6

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#77

Pyrene

Concen: 51.96 ng

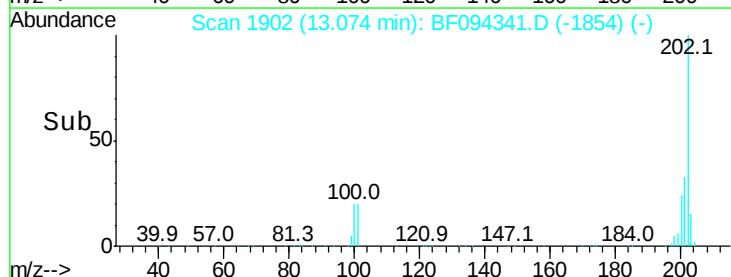
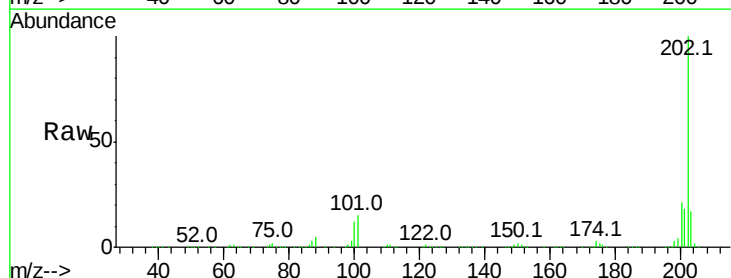
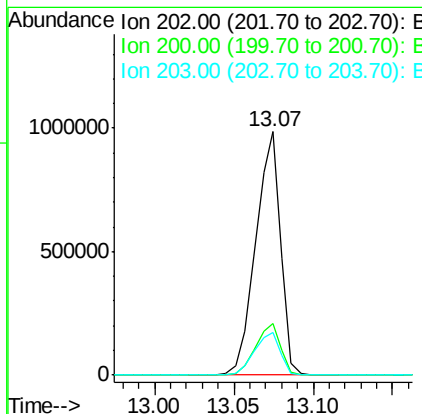
RT: 13.07 min Scan# 1902

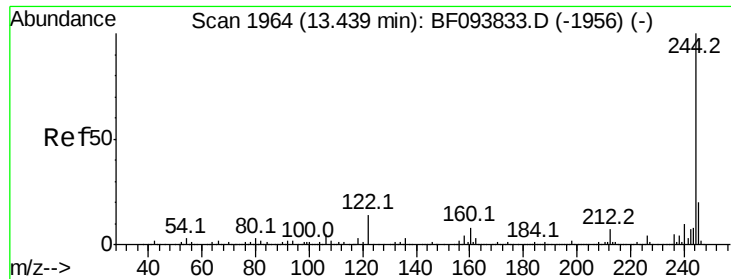
Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.3	14.4	21.6





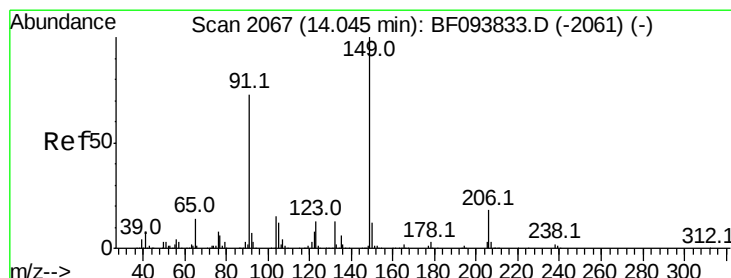
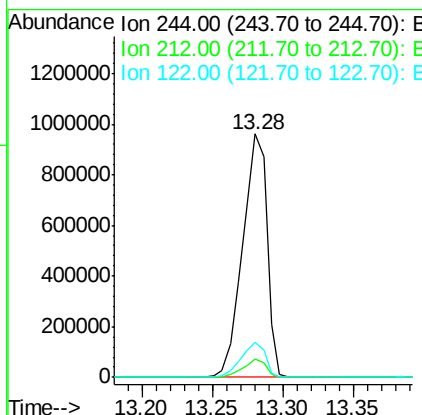
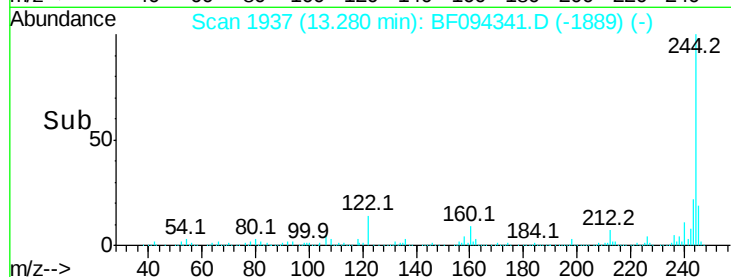
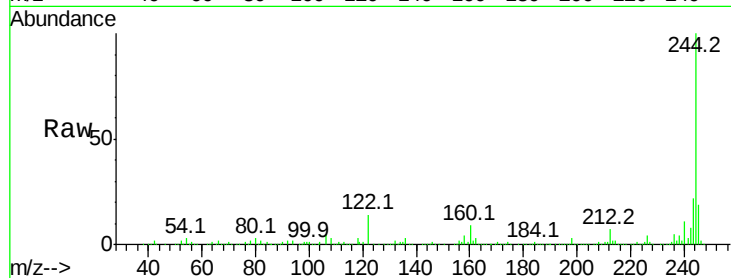
#78
 Terphenyl-d14
 Concen: 91.46 ng
 RT: 13.28 min Scan# 1937
 Delta R.T. -0.02 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Instrument :
 BNA_F
 ClientSampleId :
 B-56-S1(0-2)MSD

Tot Ion:244 Resp: 1162465
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 14.1 10.3 15.5

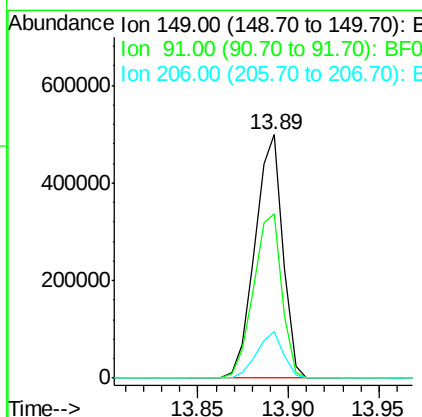
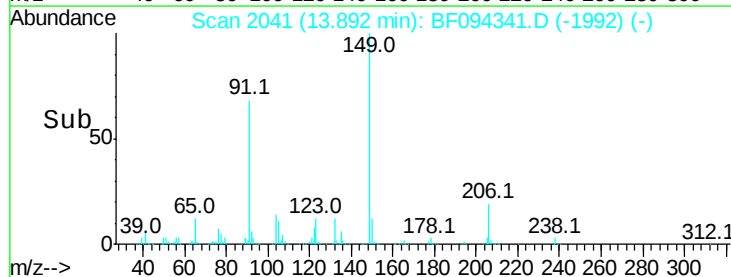
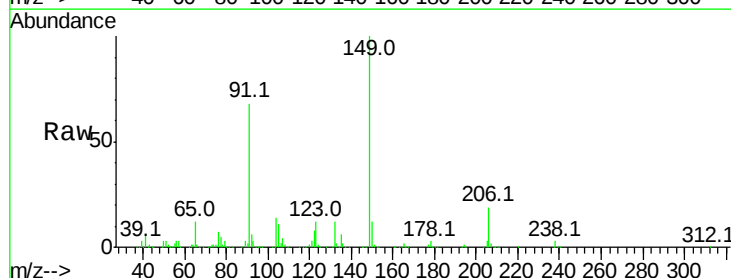
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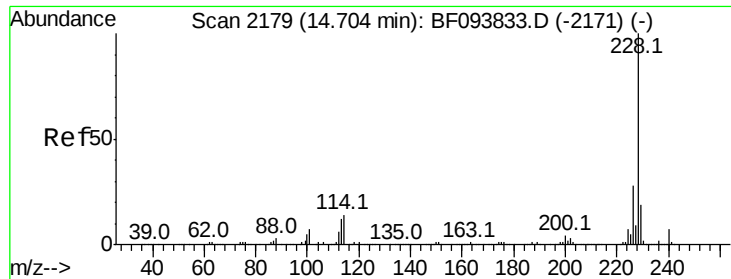
mohammad
 4/11/2017 12:53:38 PM



#79
 Butylbenzylphthalate
 Concen: 60.26 ng
 RT: 13.89 min Scan# 2041
 Delta R.T. -0.01 min
 Lab File: BF094341.D
 Acq: 11 Apr 2017 6:25

Tgt Ion:149 Resp: 530916
 Ion Ratio Lower Upper
 149 100
 91 67.6 45.0 67.4#
 206 19.0 17.0 25.6





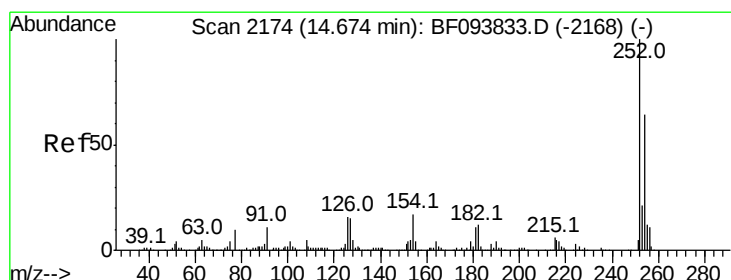
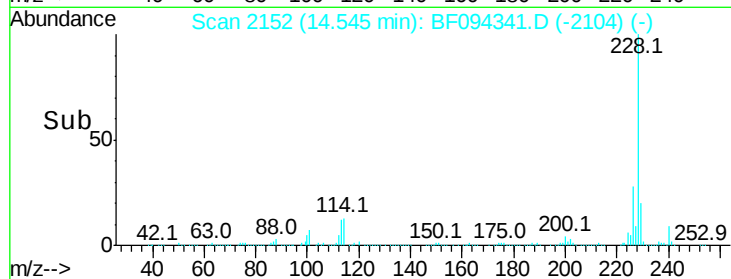
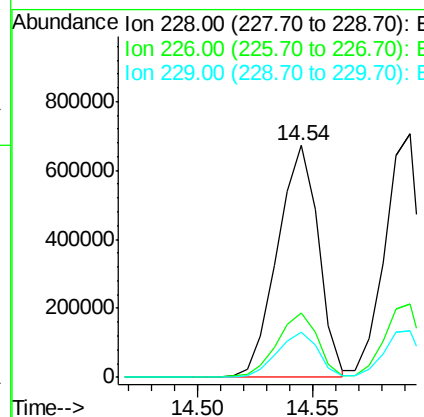
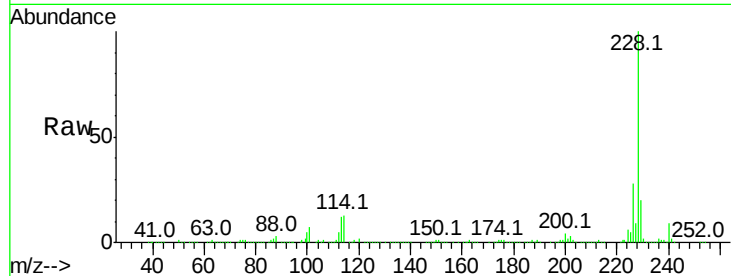
#80
Benzo(a)anthracene
Concen: 49.70 ng
RT: 14.54 min Scan# 2152
Delta R.T. -0.02 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	19.6	16.3	24.5

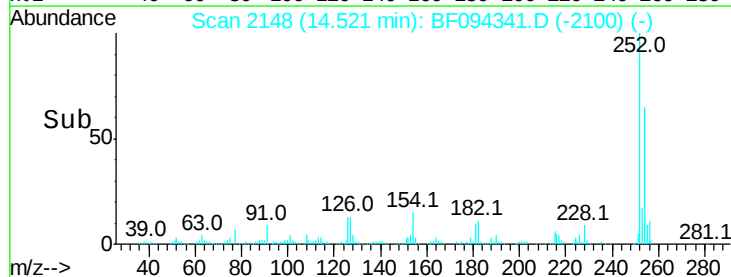
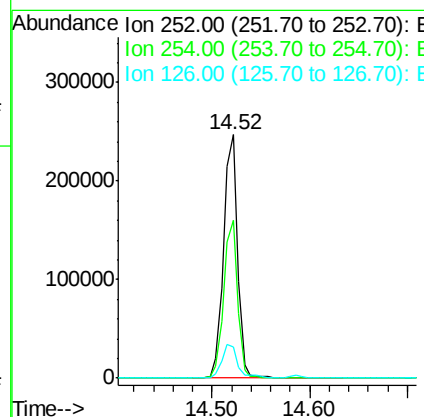
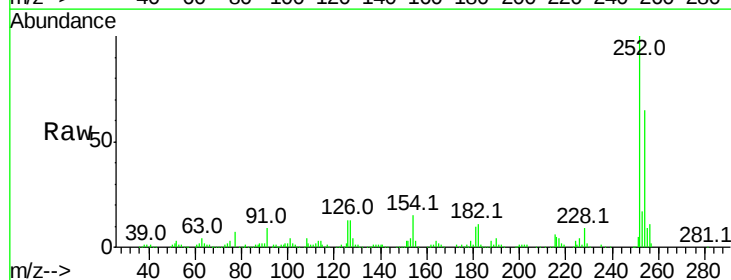
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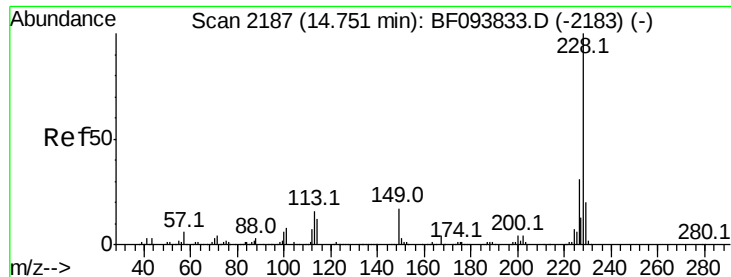
mohammad
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#81
3,3'-Dichlorobenzidine
Concen: 41.56 ng
RT: 14.52 min Scan# 2148
Delta R.T. -0.02 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.5	77.3
126	12.9	15.8	23.8#





#82

Chrysene

Concen: 47.87 ng

RT: 14.59 min Scan# 2160

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

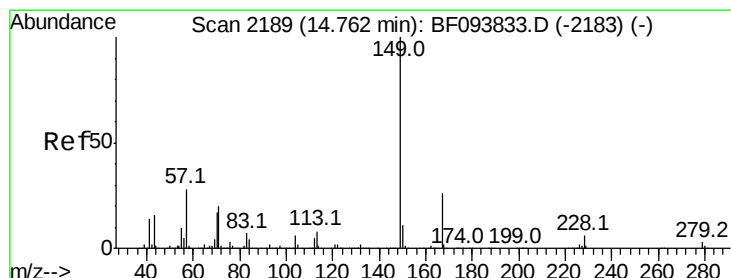
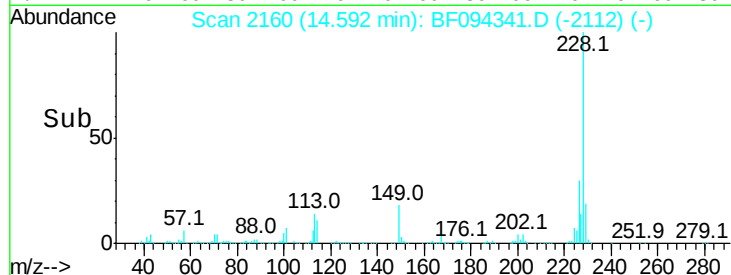
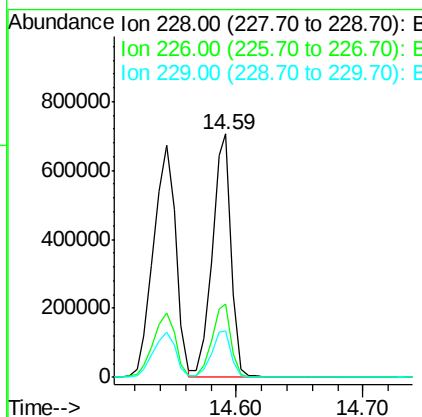
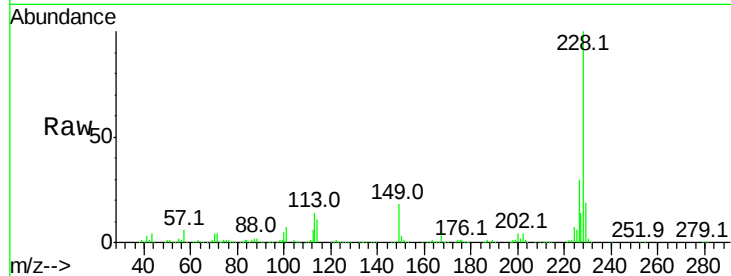
ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:	228	Resp:	738104
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	19.2	15.8	23.6

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 61.09 ng

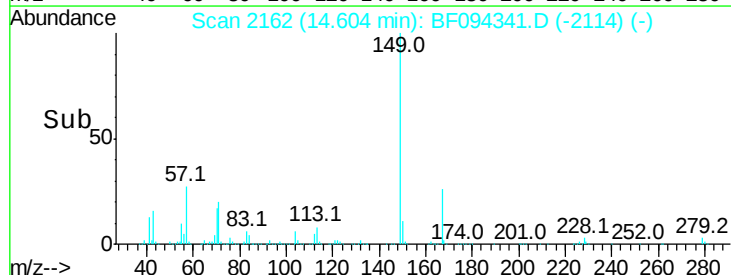
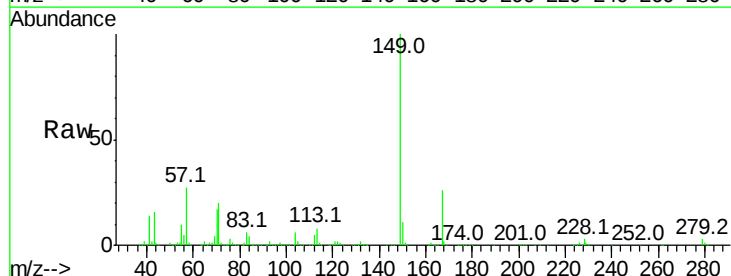
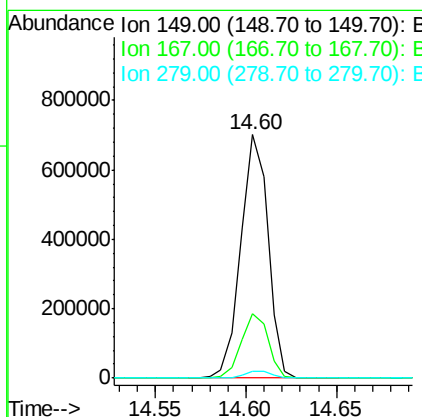
RT: 14.60 min Scan# 2162

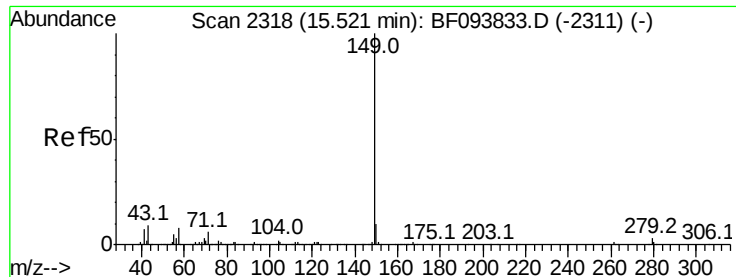
Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Tgt Ion:	149	Resp:	734220
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.0	31.4
279	3.0	1.9	2.9#





#84

Di-n-octyl phthalate

Concen: 58.71 ng

RT: 15.36 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

Instrument :

BNA_F

ClientSampleId :

B-56-S1(0-2)MSD

Tot Ion:149 Resp: 1178898

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

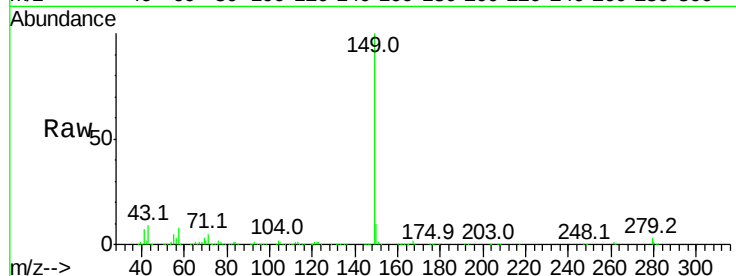
43 9.6 8.5 12.7

Manual Integrations

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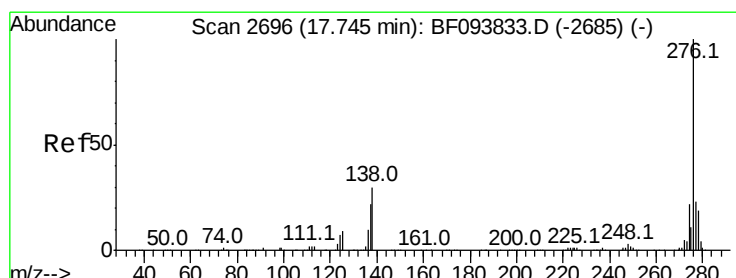
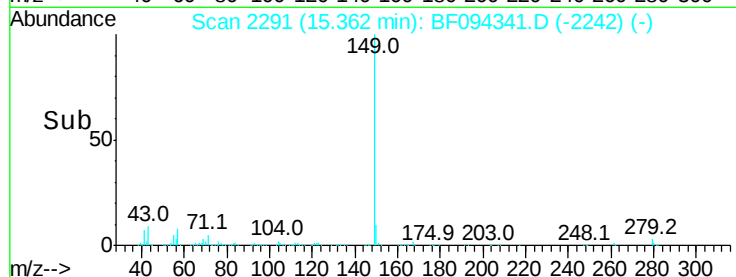
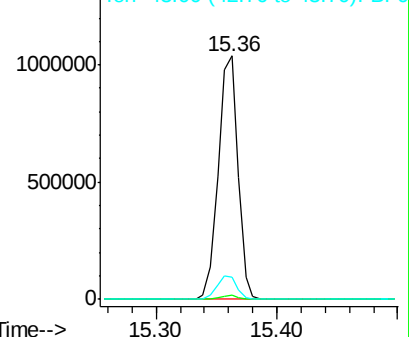
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 52.86 ng

RT: 17.50 min Scan# 2655

Delta R.T. -0.02 min

Lab File: BF094341.D

Acq: 11 Apr 2017 6:25

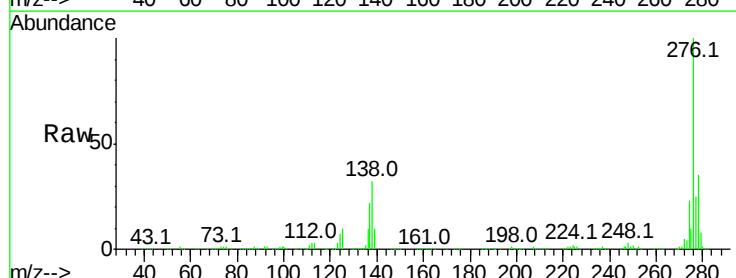
Tgt Ion:276 Resp: 705823

Ion Ratio Lower Upper

276 100

138 35.7 27.8 41.6

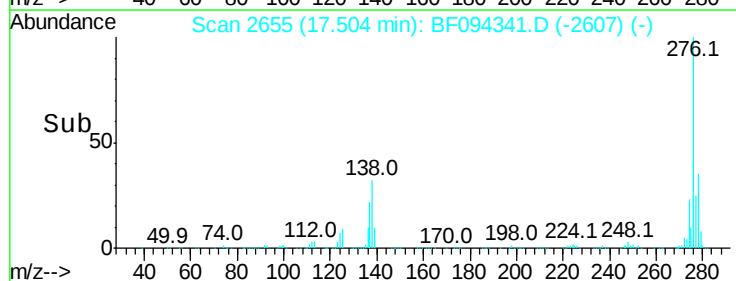
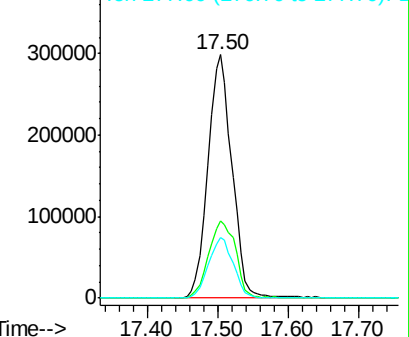
277 25.7 20.2 30.4

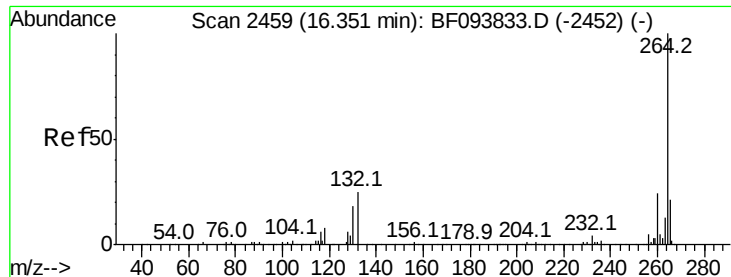


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





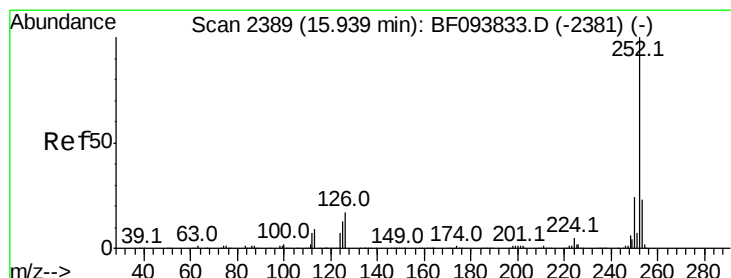
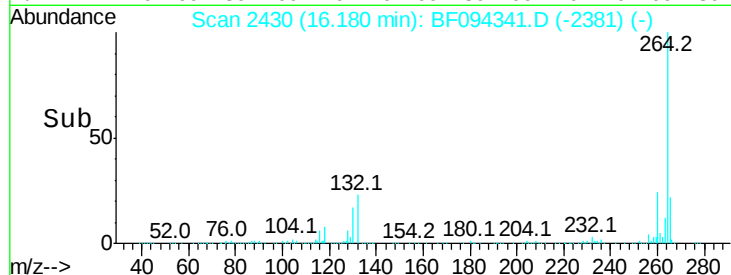
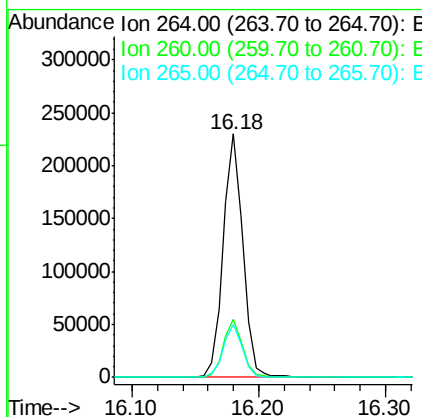
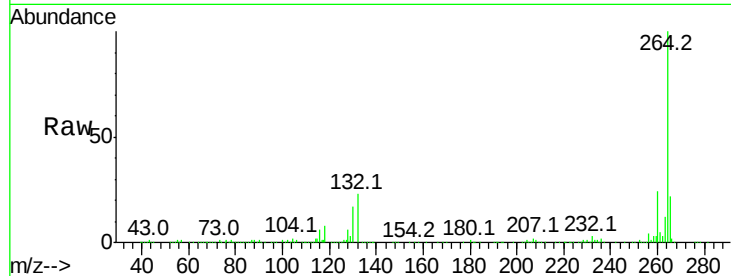
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.8	17.2	25.8

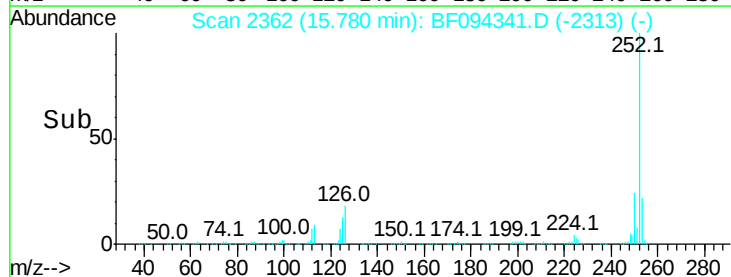
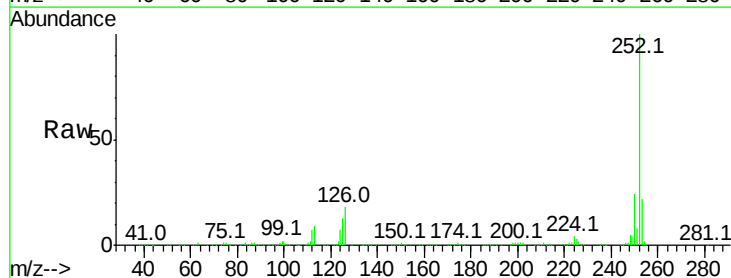
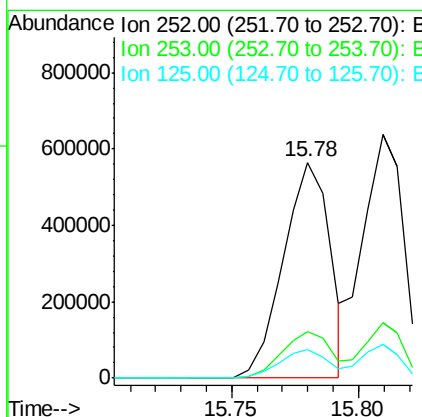
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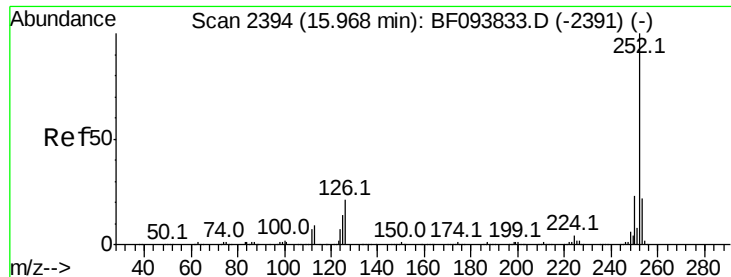
mohammad
4/11/2017 12:53:38 PM



#87
Benzo(b)fluoranthene
Concen: 47.79 ng
RT: 15.78 min Scan# 2362
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	13.4	9.8	14.8





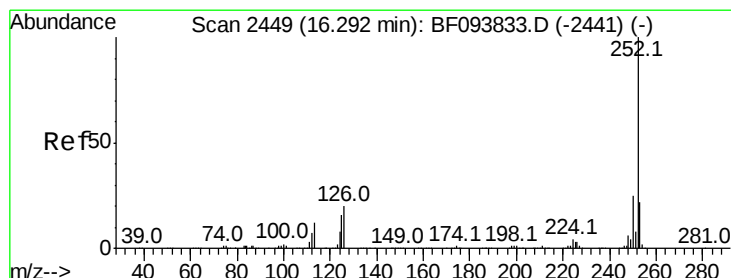
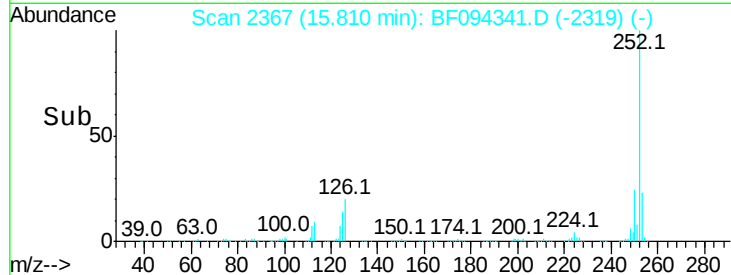
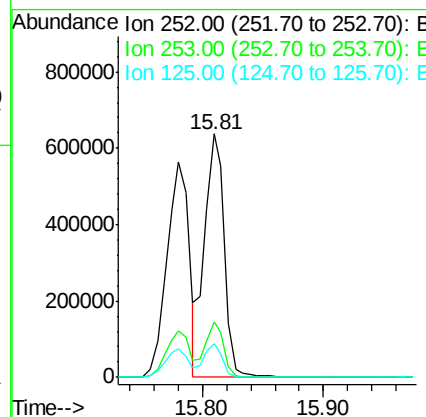
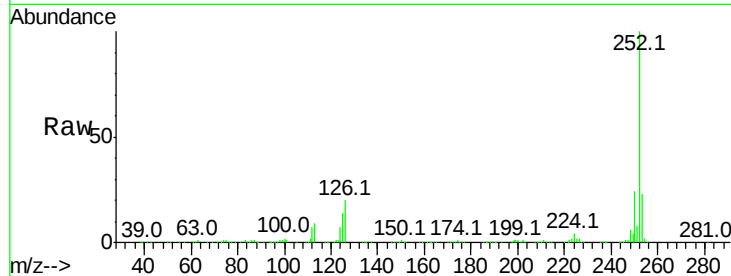
#88
Benzo(k)fluoranthene
Concen: 48.56 ng
RT: 15.81 min Scan# 2367
Delta R.T. -0.02 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	14.0	13.1	19.7

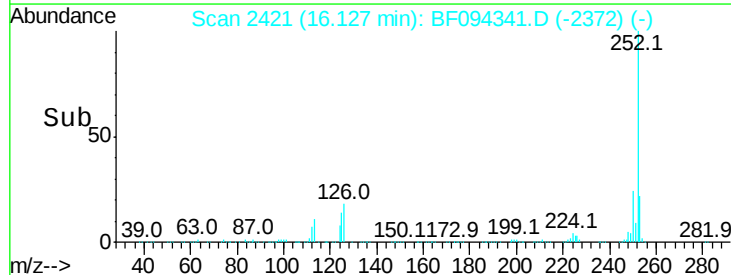
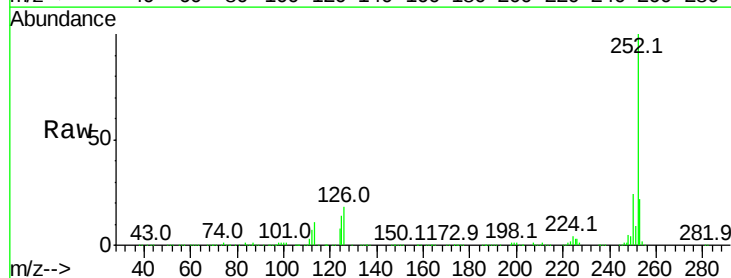
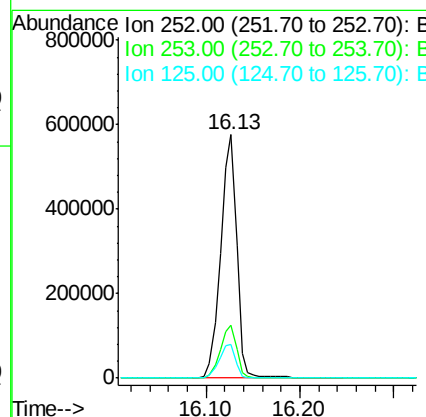
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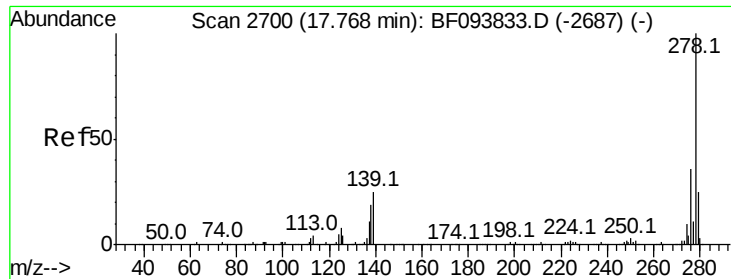
mohammad
4/11/2017 12:53:38 PM



#89
Benzo(a)pyrene
Concen: 49.65 ng
RT: 16.13 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	14.0	11.0	16.4





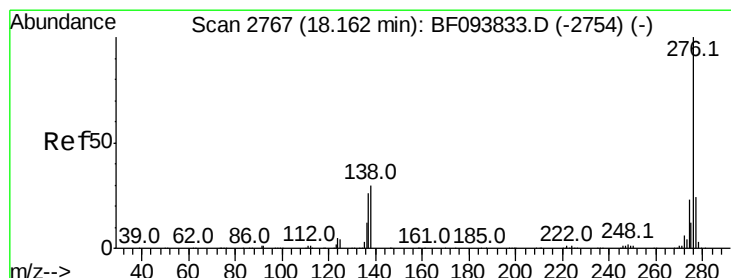
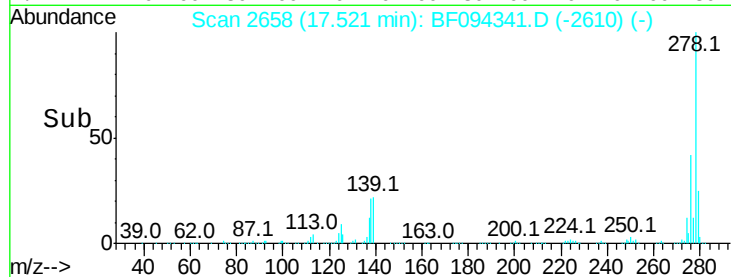
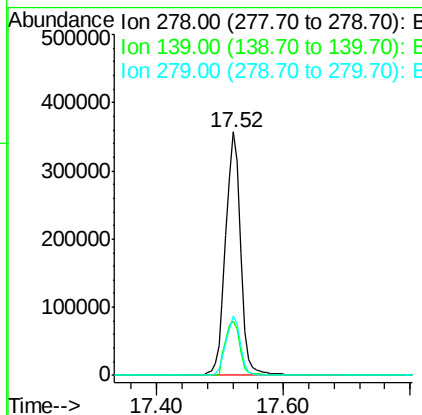
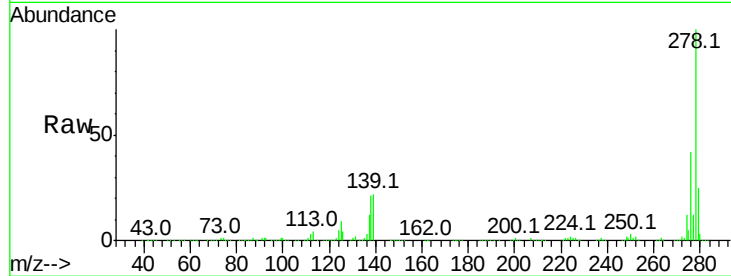
#90
Dibenzo(a,h)anthracene
Concen: 49.78 ng
RT: 17.52 min Scan# 2658
Delta R.T. -0.02 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Instrument :
BNA_F
ClientSampleId :
B-56-S1(0-2)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.3	16.6	24.8
279	24.6	19.3	28.9

Manual Integrations
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mohammad
4/11/2017 12:53:38 PM



#91
Benzo(g,h,i)perylene
Concen: 47.87 ng
RT: 17.89 min Scan# 2721
Delta R.T. -0.02 min
Lab File: BF094341.D
Acq: 11 Apr 2017 6:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	31.0	25.4	38.0

