

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
 Data File : BF094840.D
 Acq On : 3 May 2017 18:27
 Operator : SJ/MA
 Sample : PB98646BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Manual Integrations
 APPROVED

mohammad
 5/4/2017 3:34:39 PM

Quant Time: May 04 01:40:46 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	105121	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	421631	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	191624	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	352348	20.00	ng	0.00
75) Chrysene-d12	18.65	240	274190	20.00	ng	0.00
86) Perylene-d12	20.30	264	199494	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	843436	133.77	ng	0.02
7) Phenol-d6	7.28	99	1015476	134.23	ng	0.00
23) Nitrobenzene-d5	8.63	82	613596	91.77	ng	0.00
41) 2,4,6-Tribromophenol	13.88	330	225216	143.51	ng	0.00
44) 2-Fluorobiphenyl	11.52	172	1159063	87.06	ng	0.00
78) Terphenyl-d14	17.31	244	1059383	85.10	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.18	88	101346	32.77	ng	98
3) Pyridine	2.85	79	271058	37.82	ng	99
4) n-Nitrosodimethylamine	2.78	42	124193	41.57	ng	86
6) Aniline	7.24	93	267521	28.01	ng	94
8) 2-Chlorophenol	7.42	128	316815	44.15	ng	95
9) Benzaldehyde	7.05	77	43186	9.35	ng	98
10) Phenol	7.30	94	359887	45.14	ng	89
11) bis(2-Chloroethyl)ether	7.37	93	283490	43.07	ng	94
12) 1,3-Dichlorobenzene	7.64	146	341757	41.98	ng	98
13) 1,4-Dichlorobenzene	7.76	146	340637	41.26	ng	98
14) 1,2-Dichlorobenzene	8.00	146	317012	41.14	ng	94
15) Benzyl Alcohol	8.01	79	247141	50.79	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.22	45	368281	39.54	ng	# 38
17) 2-Methylphenol	8.22	107	252598	43.01	ng	# 90
18) Hexachloroethane	8.51	117	119157	42.61	ng	# 85
19) n-Nitroso-di-n-propylamine	8.44	70	225809	44.13	ng	96
20) 3+4-Methylphenols	8.48	107	356823	44.71	ng	# 60
22) Acetophenone	8.40	105	437604	43.26	ng	# 84
24) Nitrobenzene	8.66	77	311734	44.48	ng	93
25) Isophorone	9.05	82	557501	46.69	ng	96
26) 2-Nitrophenol	9.16	139	164305	43.45	ng	98
27) 2,4-Dimethylphenol	9.30	122	275217	45.01	ng	97
28) bis(2-Chloroethoxy)methane	9.42	93	356097	43.11	ng	100
29) 2,4-Dichlorophenol	9.58	162	280368	48.56	ng	97
30) 1,2,4-Trichlorobenzene	9.67	180	271296	43.86	ng	98
31) Naphthalene	9.78	128	852311	40.22	ng	99
32) Benzoic acid	9.59	122	137073	35.61	ng	96
33) 4-Chloroaniline	9.92	127	74908	9.49	ng	# 91
34) Hexachlorobutadiene	10.00	225	134981	41.36	ng	98
35) Caprolactam	10.55	113	83680m	48.27	ng	
36) 4-Chloro-3-methylphenol	10.78	107	262190	42.48	ng	90
37) 2-Methylnaphthalene	10.91	142	579484	41.67	ng	98
39) 1,2,4,5-Tetrachlorobenzene	11.18	216	226576	38.45	ng	100
40) Hexachlorocyclopentadiene	11.17	237	203790	82.09	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.40	196	172386	43.81	ng	98
43) 2,4,5-Trichlorophenol	11.48	196	183100	43.30	ng #	91
45) 1,1'-Biphenyl	11.68	154	687412	42.61	ng	98
46) 2-Chloronaphthalene	11.69	162	555340	42.63	ng	96
47) 2-Nitroaniline	11.90	65	156356	43.85	ng #	83
48) Acenaphthylene	12.35	152	885739	43.41	ng	99
49) Dimethylphthalate	12.22	163	699380	44.46	ng	99
50) 2,6-Dinitrotoluene	12.31	165	145304	45.27	ng	95
51) Acenaphthene	12.63	154	534403	43.85	ng	99
52) 3-Nitroaniline	12.57	138	69289	20.12	ng #	90
53) 2,4-Dinitrophenol	12.77	184	125128	71.51	ng #	71
54) Dibenzofuran	12.92	168	820101	48.63	ng	98
55) 4-Nitrophenol	12.95	139	200456	96.89	ng #	78
56) 2,4-Dinitrotoluene	12.97	165	204768	49.65	ng #	86
57) Fluorene	13.47	166	628202	42.84	ng	99
58) 2,3,4,6-Tetrachlorophenol	13.15	232	128844	48.41	ng #	95
59) Diethylphthalate	13.37	149	616119	40.86	ng	100
60) 4-Chlorophenyl-phenylether	13.50	204	280098	43.46	ng	89
61) 4-Nitroaniline	13.58	138	143846	45.49	ng	96
62) Azobenzene	13.76	77	609772	50.33	ng	93
64) 4,6-Dinitro-2-methylphenol	13.63	198	96044	40.66	ng #	71
65) n-Nitrosodiphenylamine	13.71	169	563408	44.06	ng	100
66) 4-Bromophenyl-phenylether	14.28	248	162845	43.75	ng	98
67) Hexachlorobenzene	14.37	284	164906	43.23	ng #	89
68) Atrazine	14.62	200	157307	43.57	ng	97
69) Pentachlorophenol	14.71	266	140193	81.18	ng	97
70) Phenanthrene	15.02	178	911763	45.04	ng	98
71) Anthracene	15.10	178	932962	45.11	ng	98
72) Carbazole	15.38	167	864361	45.94	ng	98
73) Di-n-butylphthalate	15.95	149	968691	41.28	ng	99
74) Fluoranthene	16.75	202	925452	44.56	ng	98
76) Benzidine	16.97	184	214899	31.59	ng #	93
77) Pyrene	17.06	202	952606	46.45	ng	99
79) Butylbenzylphthalate	17.97	149	434293	45.53	ng	90
80) Benzo(a)anthracene	18.63	228	735615	46.10	ng	98
81) 3,3'-Dichlorobenzidine	18.61	252	149785	27.18	ng #	96
82) Chrysene	18.68	228	688629	44.63	ng	98
83) Bis(2-ethylhexyl)phthalate	18.71	149	612149	45.04	ng #	99
84) Di-n-octyl phthalate	19.48	149	1006371	45.17	ng	96
85) Indeno(1,2,3-cd)pyrene	21.59	276	562801	44.91	ng	99
87) Benzo(b)fluoranthene	19.90	252	567763	46.06	ng	99
88) Benzo(k)fluoranthene	19.93	252	569673	47.91	ng	96
89) Benzo(a)pyrene	20.25	252	530053	46.60	ng	99
90) Dibenzo(a,h)anthracene	21.61	278	467198	49.73	ng	99
91) Benzo(g,h,i)perylene	21.97	276	464877	50.43	ng	98

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

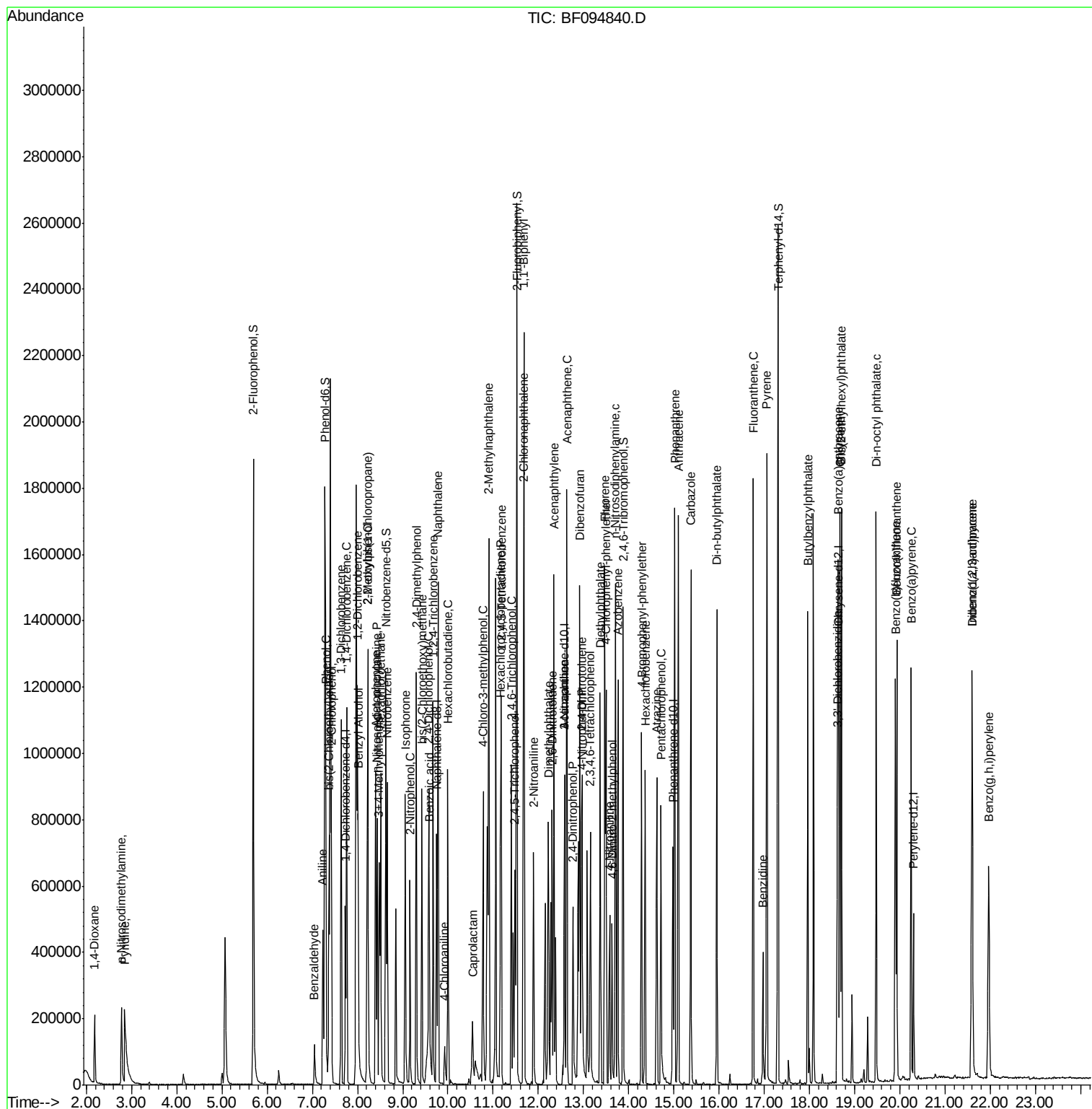
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Operator  : SJ/MA  
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ALS Vial  : 3 Sample Multiplier: 1
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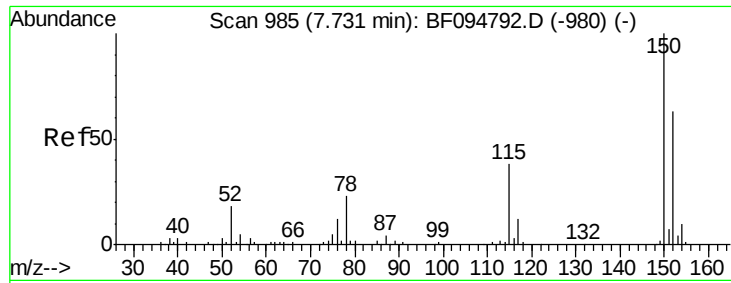
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#1

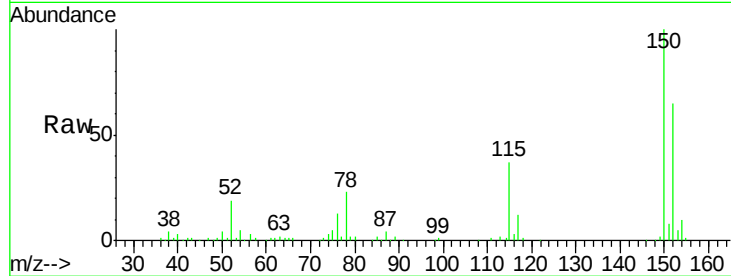
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.73 min Scan# 985
Delta R.T. 0.00 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

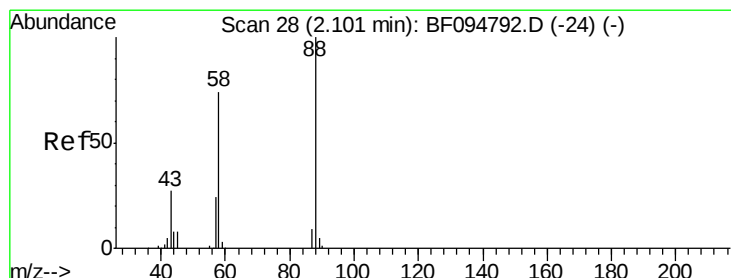
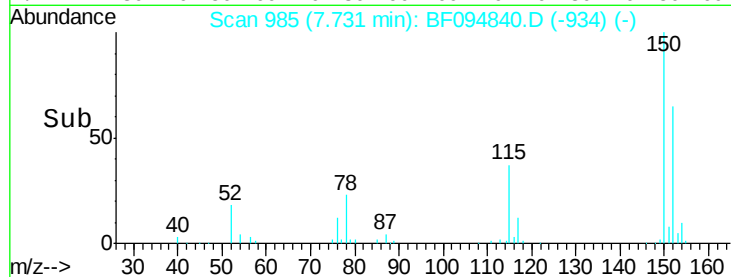
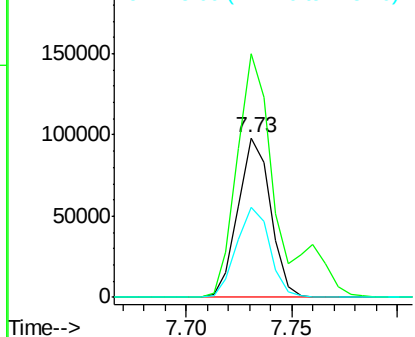
Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.2	189.2
115	56.5	52.2	78.2

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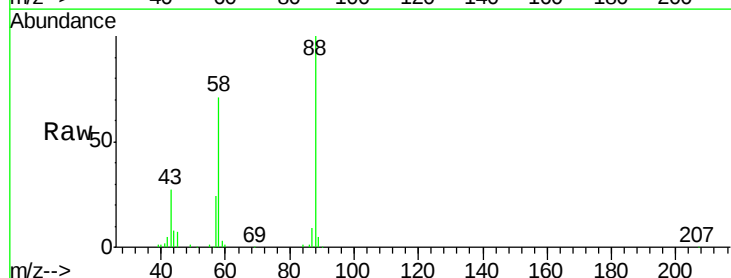
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



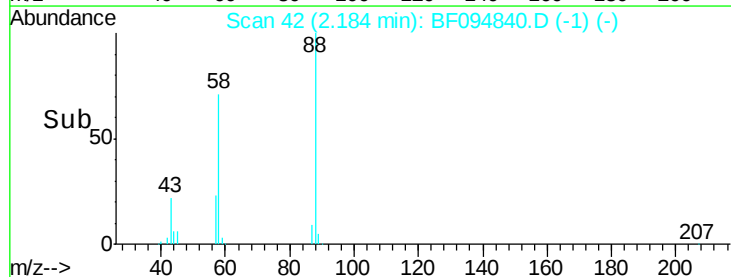
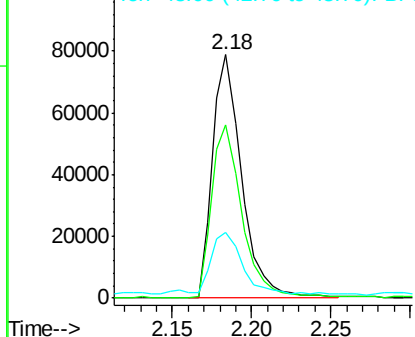
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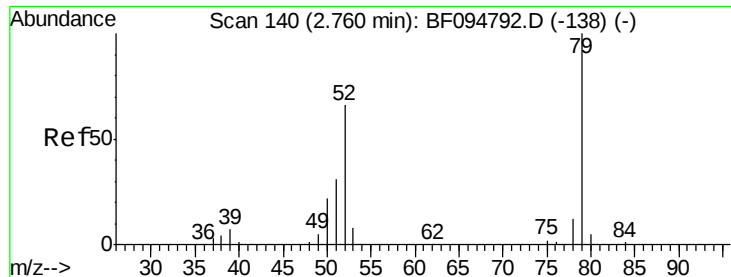
1,4-Dioxane
Concen: 32.77 ng
RT: 2.18 min Scan# 42
Delta R.T. 0.08 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.9	61.4	92.0
43	28.7	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

Pyridine

Concen: 37.82 ng

RT: 2.85 min Scan# 155

Delta R.T. 0.09 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

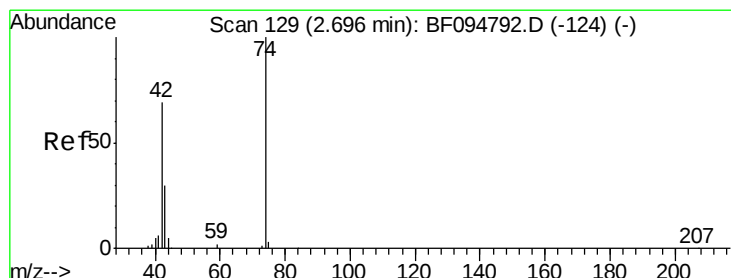
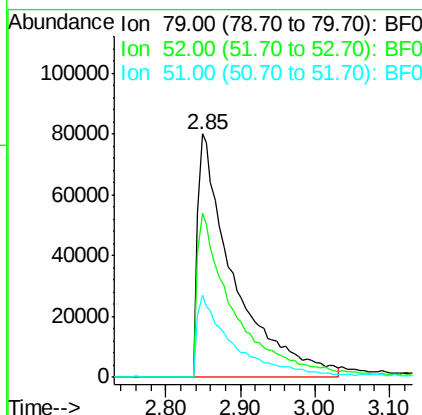
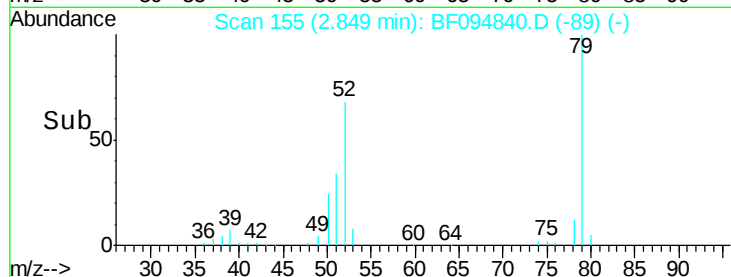
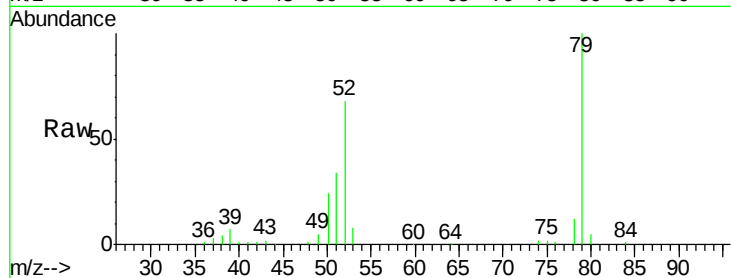
ClientSampleId :

PB98646BS

Tgt Ion:	79	Resp:	271058
Ion	Ratio	Lower	Upper
79	100		
52	67.6	54.8	82.2
51	33.6	27.0	40.4

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#4

n-Nitrosodimethylamine

Concen: 41.57 ng

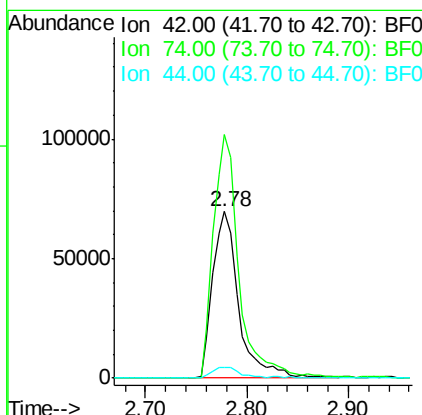
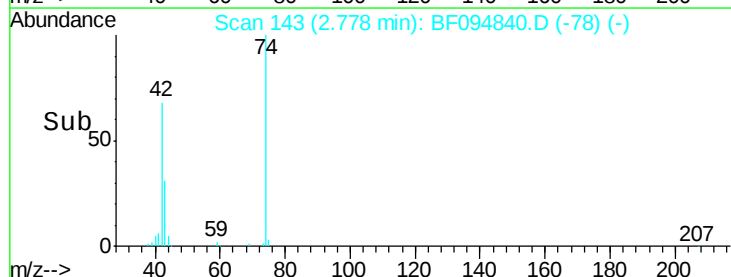
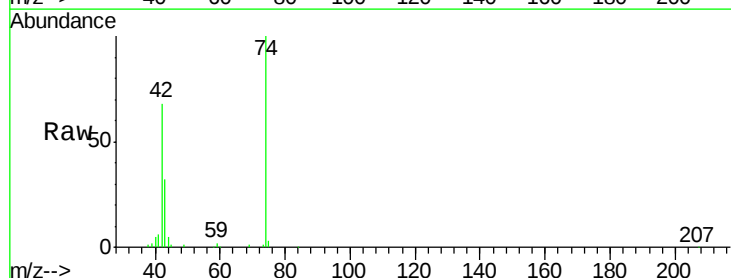
RT: 2.78 min Scan# 143

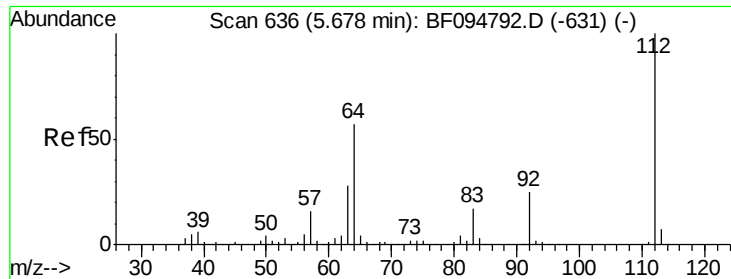
Delta R.T. 0.08 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Tgt Ion:	42	Resp:	124193
Ion	Ratio	Lower	Upper
42	100		
74	146.4	103.9	155.9
44	6.6	5.7	8.5





#5

2-Fluorophenol

Concen: 133.77 ng

RT: 5.70 min Scan# 639

Delta R.T. 0.02 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

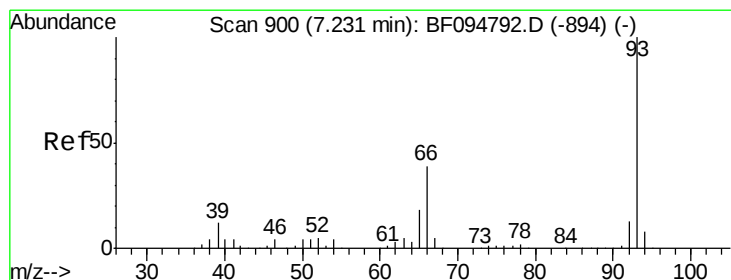
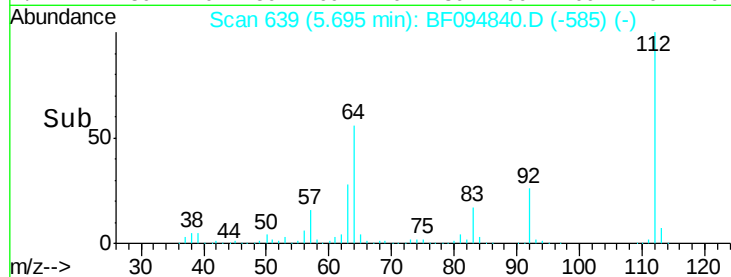
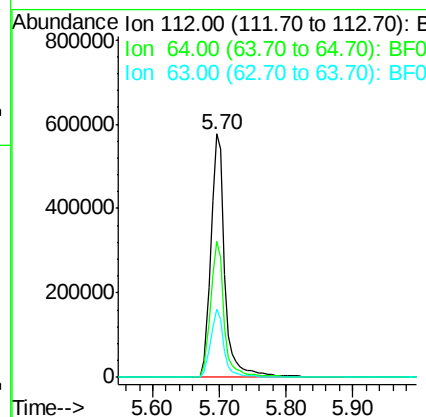
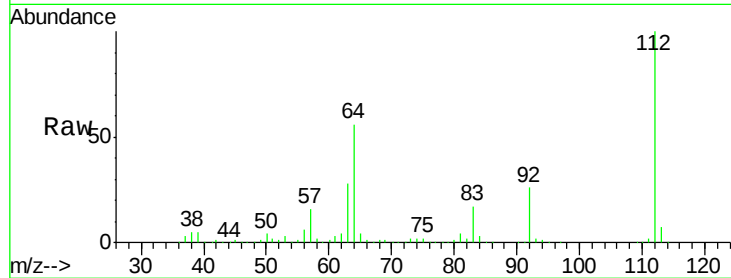
ClientSampleId :

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Tgt Ion:	112	Resp:	843436
Ion Ratio	Lower	Upper	
112	100		
64	56.0	46.0	69.0
63	27.9	23.4	35.0

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#6

Aniline

Concen: 28.01 ng

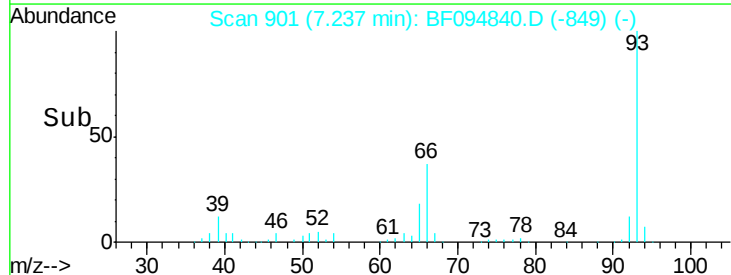
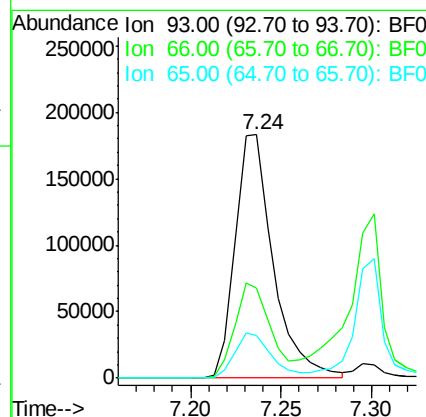
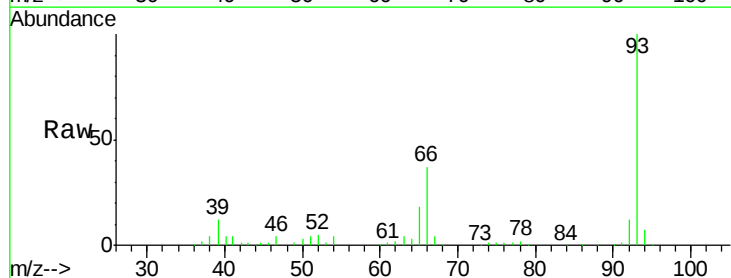
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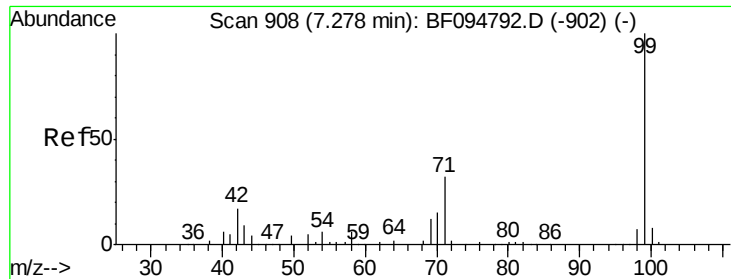
Delta R.T. 0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Tgt Ion:	93	Resp:	267521
Ion Ratio	Lower	Upper	
93	100		
66	37.0	32.9	49.3
65	17.6	16.0	24.0





#7

Phenol-d6

Concen: 134.23 ng

RT: 7.28 min Scan# 909

Delta R.T. 0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

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ClientSampleId :

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Tgt Ion: 99 Resp: 1015476

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

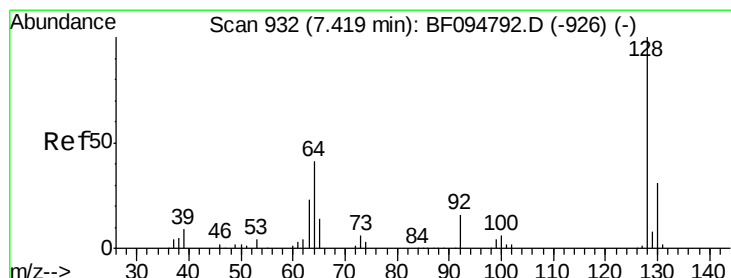
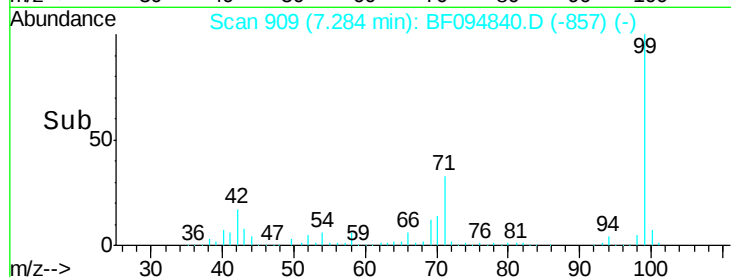
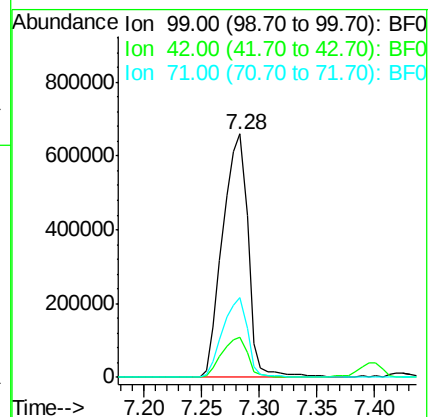
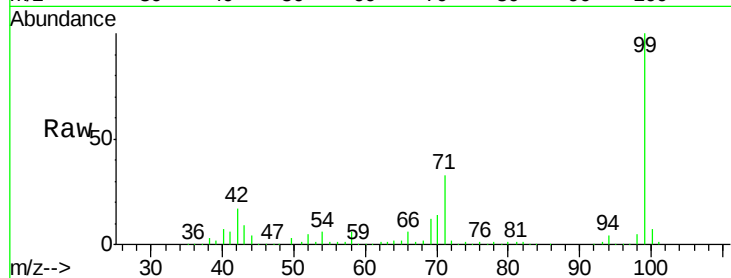
71 32.8 24.5 36.7

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#8

2-Chlorophenol

Concen: 44.15 ng

RT: 7.42 min Scan# 933

Delta R.T. 0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

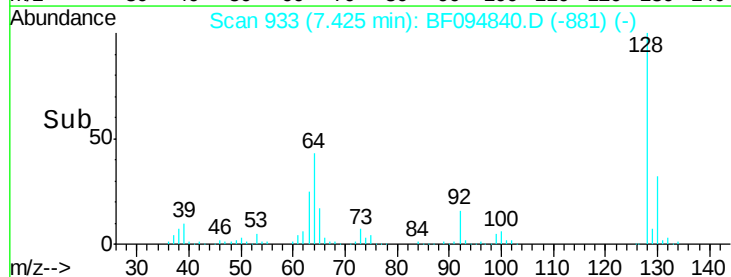
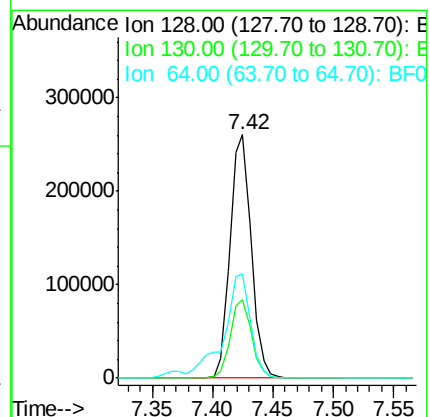
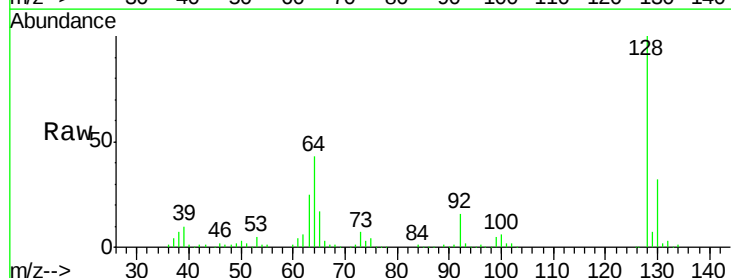
Tgt Ion: 128 Resp: 316815

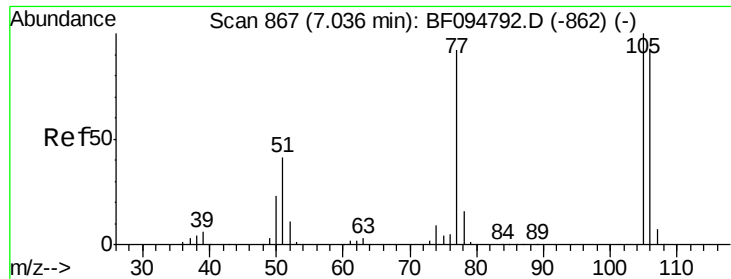
Ion Ratio Lower Upper

128 100

130 32.2 12.9 52.9

64 42.7 28.4 68.4





#9

Benzaldehyde

Concen: 9.35 ng

RT: 7.05 min Scan# 869

Delta R.T. 0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

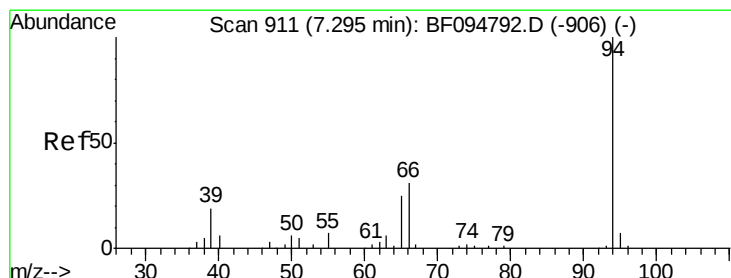
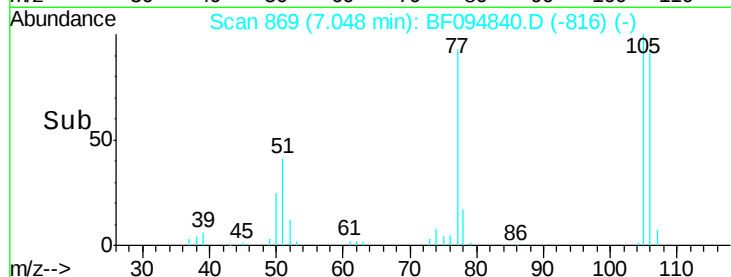
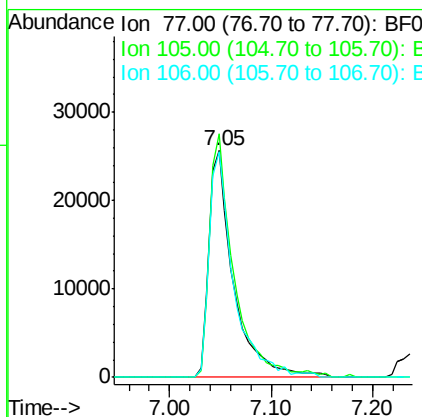
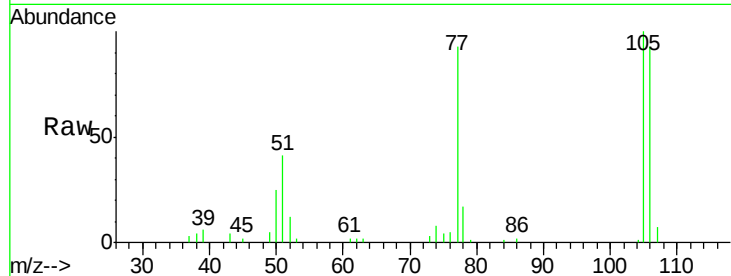
ClientSampleId :

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Tgt Ion:	77	Resp:	43186
Ion	Ratio	Lower	Upper
77	100		
105	107.3	83.8	123.8
106	99.6	79.1	119.1

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#10

Phenol

Concen: 45.14 ng

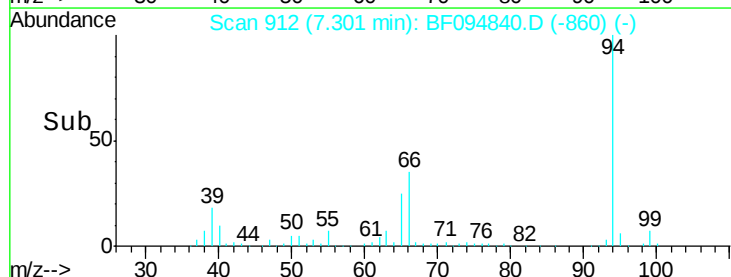
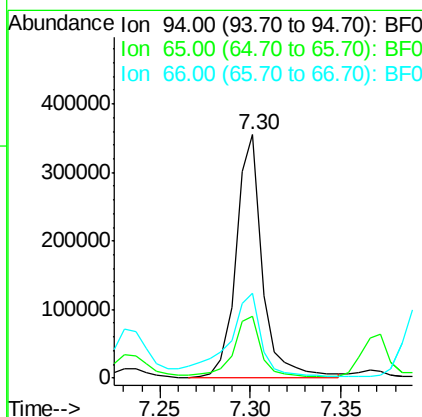
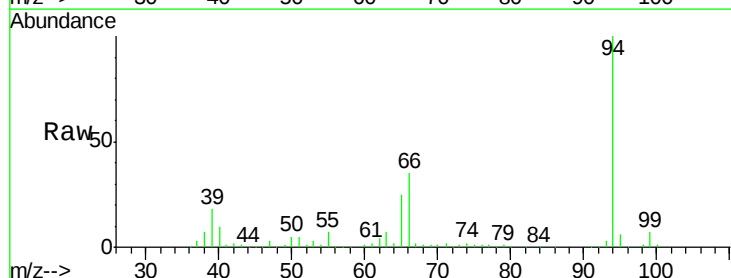
RT: 7.30 min Scan# 912

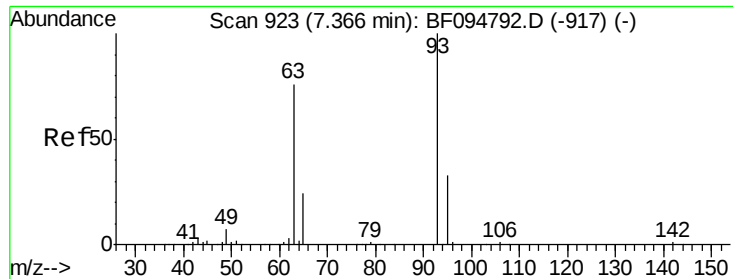
Delta R.T. 0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Tgt Ion:	94	Resp:	359887
Ion	Ratio	Lower	Upper
94	100		
65	25.4	9.9	49.9
66	34.8	23.1	63.1





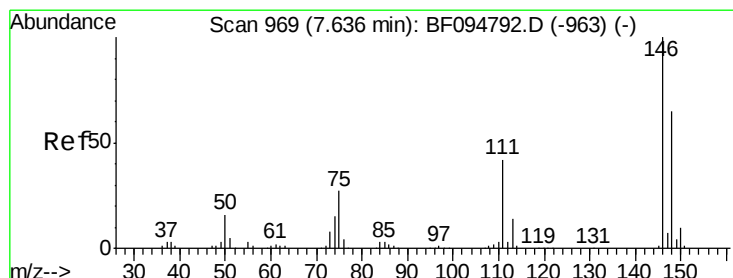
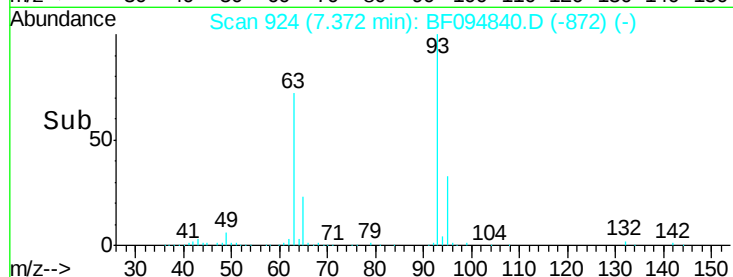
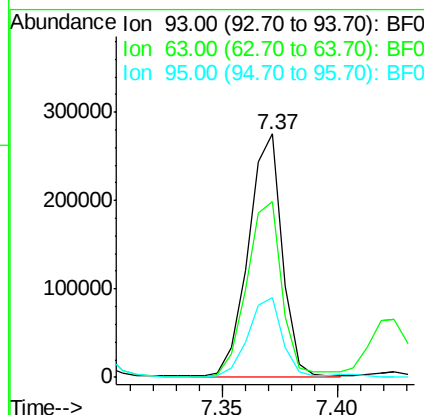
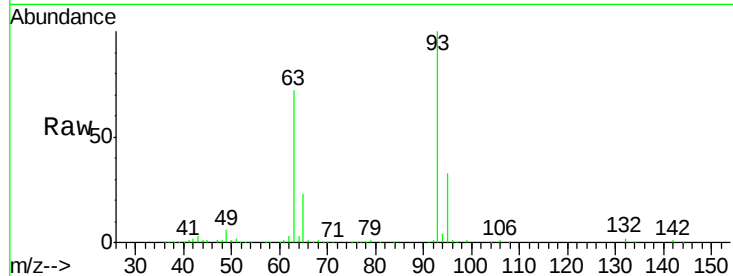
#11
bis(2-Chloroethyl)ether
Concen: 43.07 ng
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	283490		
63	72.2	59.2	99.2	
95	32.6	12.8	52.8	

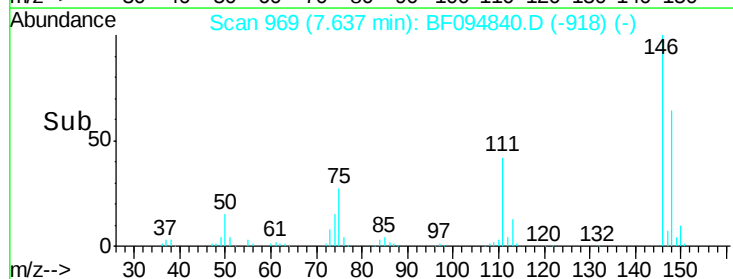
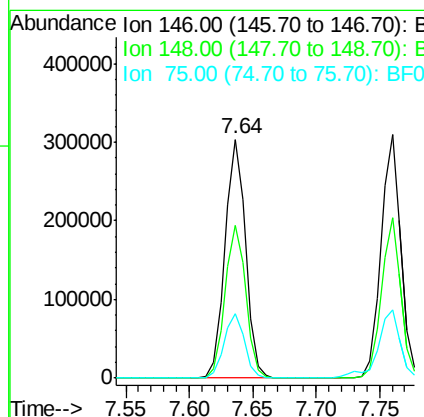
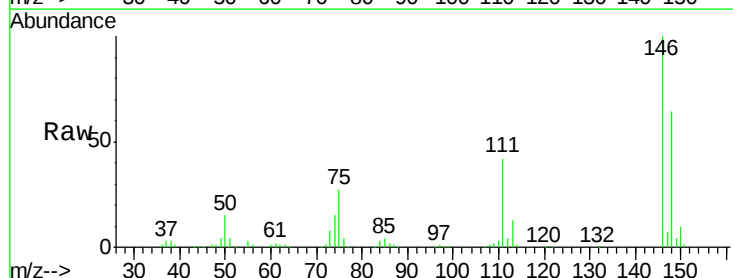
Manual Integrations
APPROVED

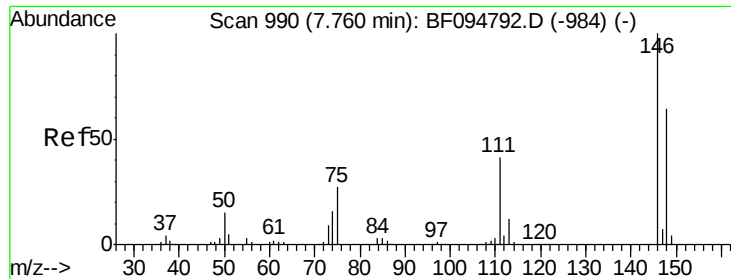
mohammad
5/4/2017 3:34:39 PM



#12
1,3-Dichlorobenzene
Concen: 41.98 ng
RT: 7.64 min Scan# 969
Delta R.T. 0.00 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	341757		
148	64.1	51.8	77.6	
75	27.2	23.1	34.7	





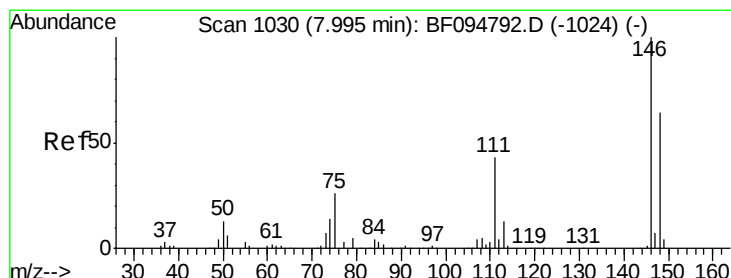
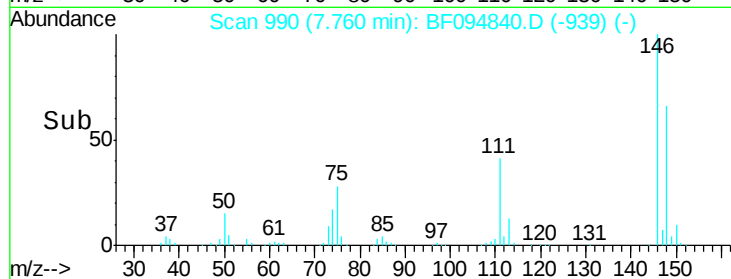
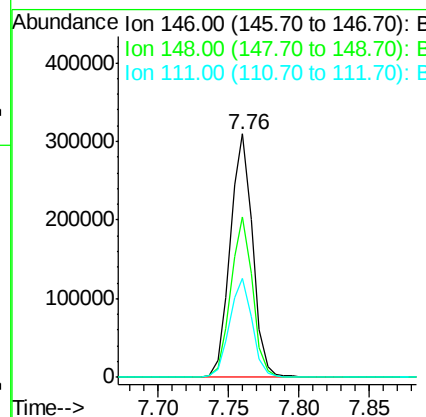
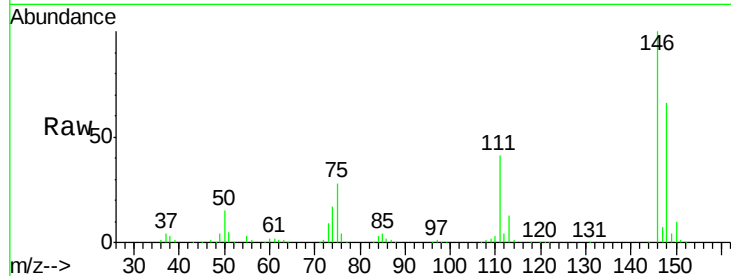
#13
 1,4-Dichlorobenzene
 Concen: 41.26 ng
 RT: 7.76 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	340637		
148	65.8	52.2	78.2	
111	40.9	30.3	45.5	

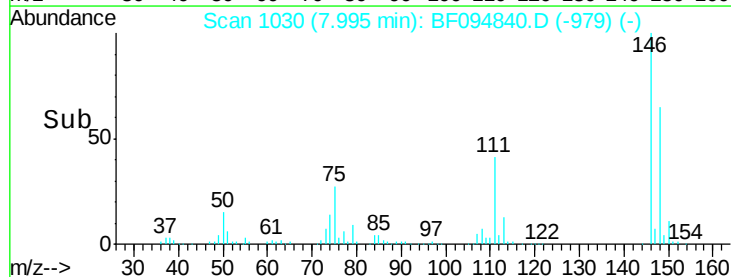
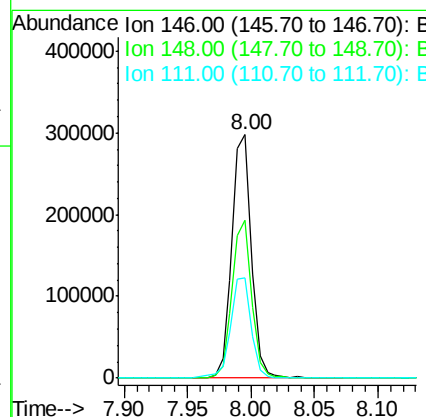
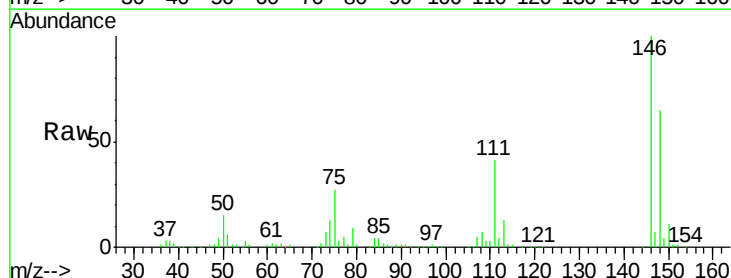
Manual Integrations
 APPROVED

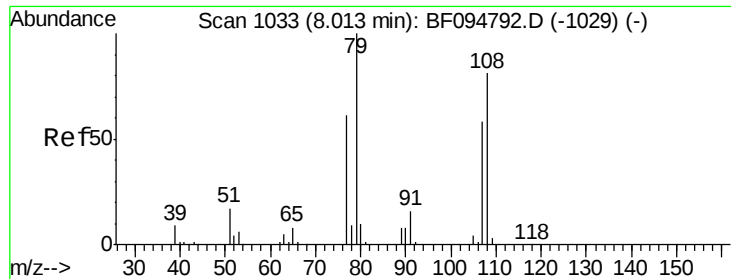
mohammad
 5/4/2017 3:34:39 PM



#14
 1,2-Dichlorobenzene
 Concen: 41.14 ng
 RT: 8.00 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	317012		
148	64.9	50.4	75.6	
111	41.1	38.2	57.4	





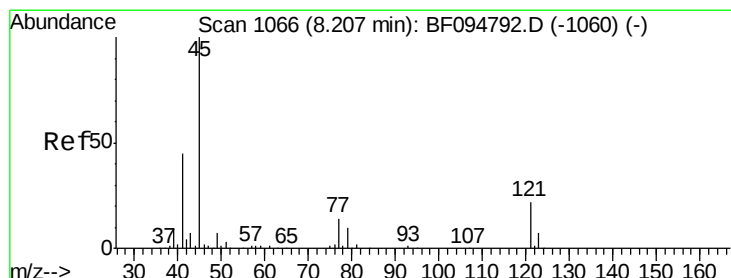
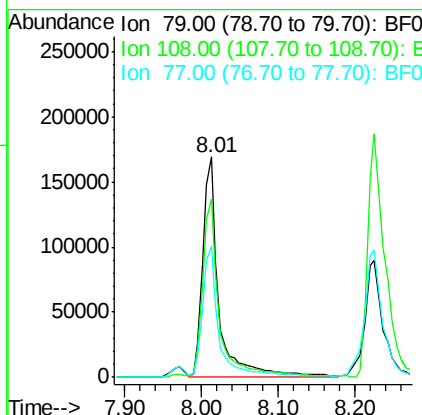
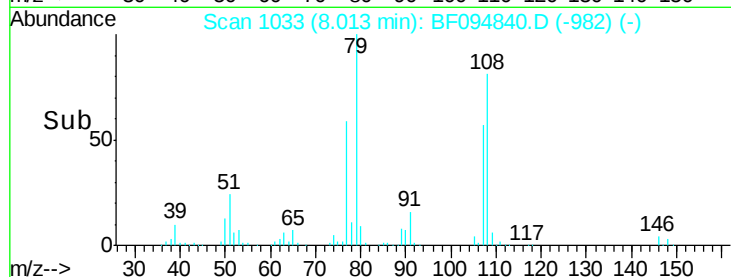
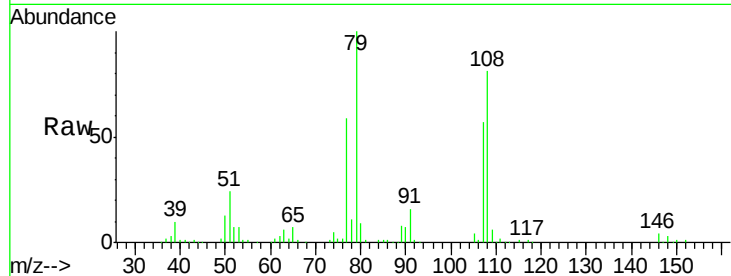
#15
Benzyl Alcohol
Concen: 50.79 ng
RT: 8.01 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Lower	Upper
79	100		
108	80.8	63.4	95.0
77	59.2	49.2	73.8

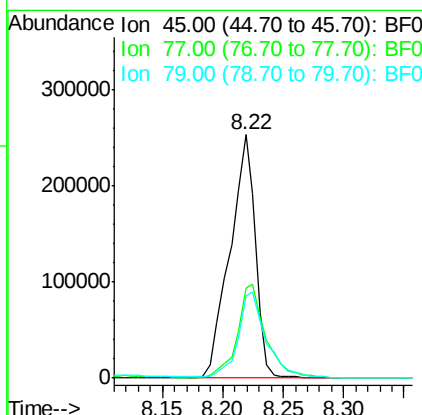
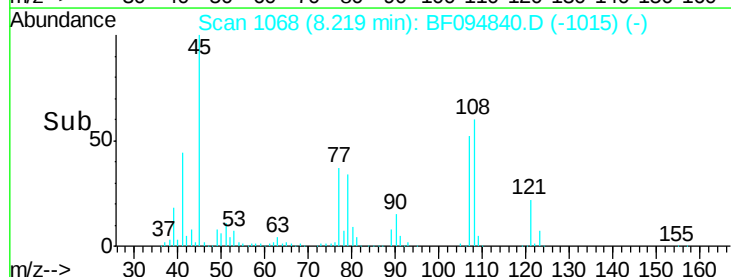
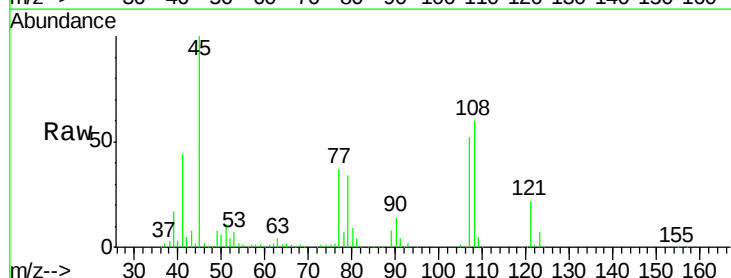
Manual Integrations
APPROVED

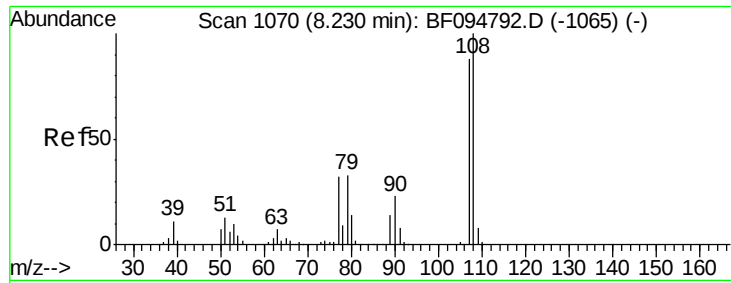
mohammad
5/4/2017 3:34:39 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.54 ng
RT: 8.22 min Scan# 1068
Delta R.T. 0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
45	100		
77	37.0	0.0	33.2#
79	33.9	0.0	30.0#





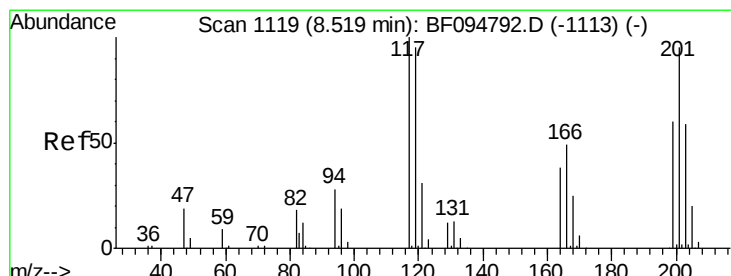
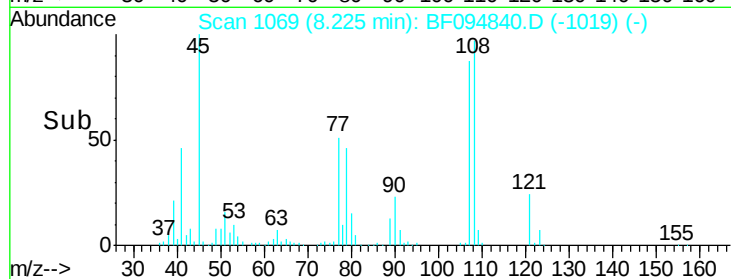
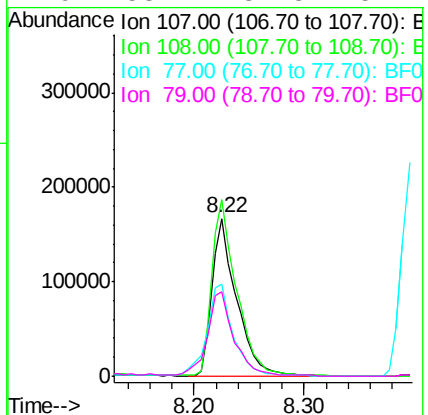
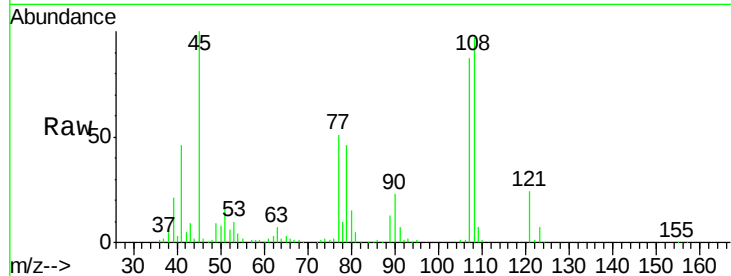
#17
2-Methylphenol
Concen: 43.01 ng
RT: 8.22 min Scan# 1069
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	252598		
108	111.8	93.4	140.0	
77	58.4	35.8	53.6#	
79	53.4	34.8	52.2#	

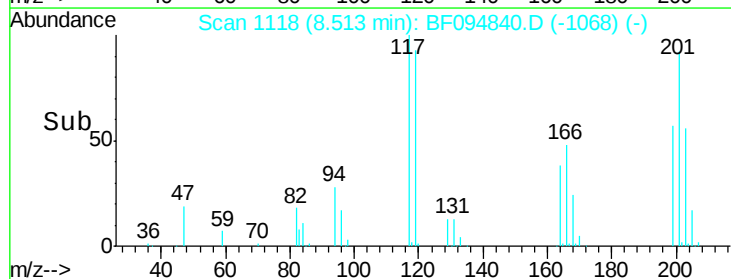
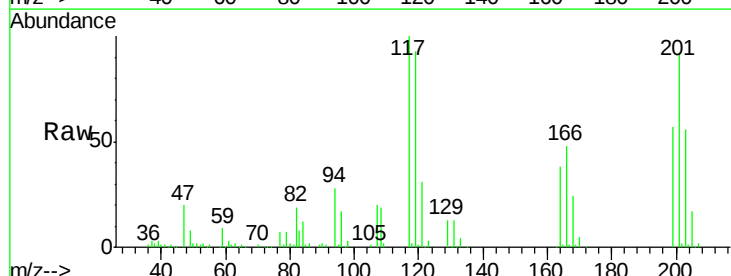
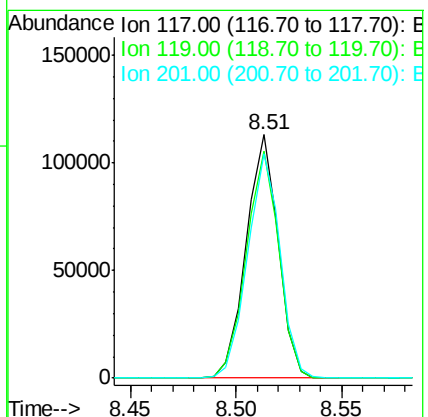
Manual Integrations
APPROVED

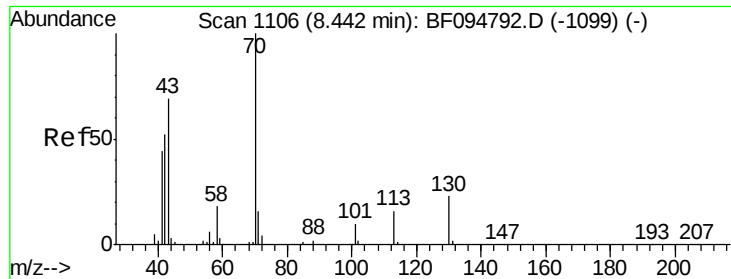
mohammad
5/4/2017 3:34:39 PM



#18
Hexachloroethane
Concen: 42.61 ng
RT: 8.51 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	119157		
119	93.2	77.4	116.0	
201	92.0	94.6	141.8#	





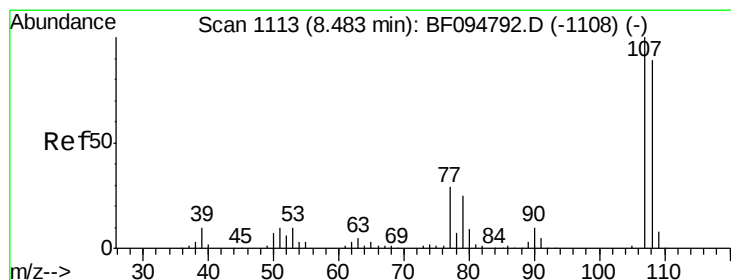
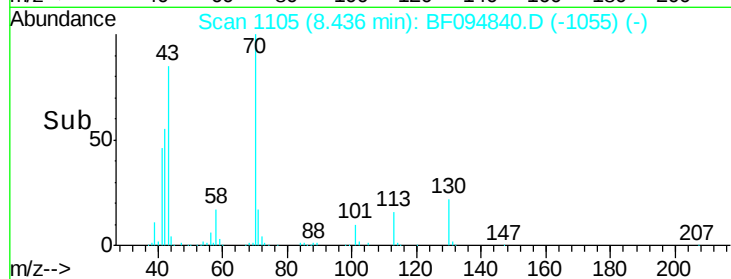
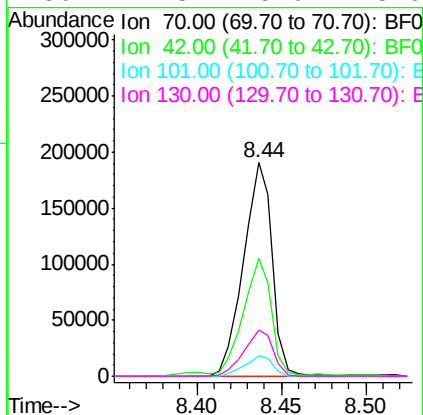
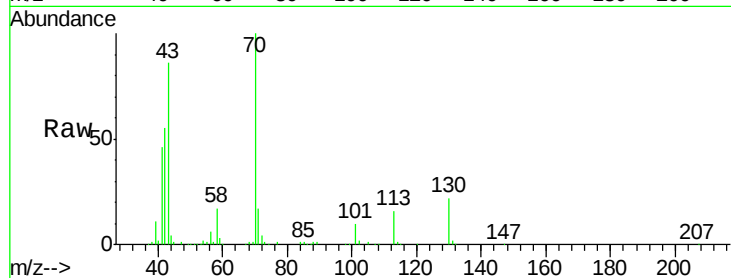
#19
n-Nitroso-di-n-propylamine
Concen: 44.13 ng
RT: 8.44 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	55.1	47.2	70.8
101	9.6	7.2	10.8
130	21.5	15.9	23.9

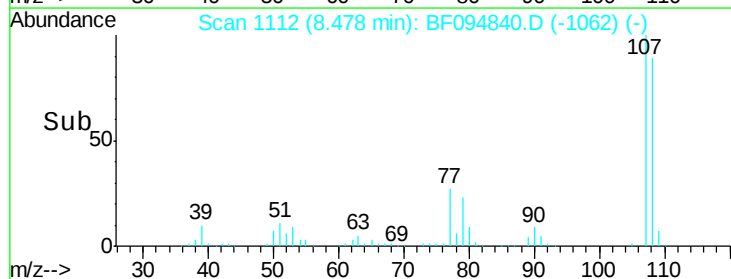
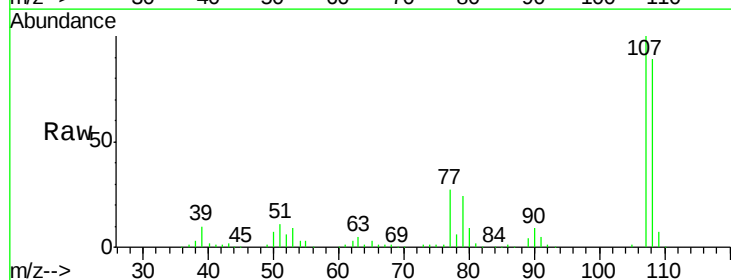
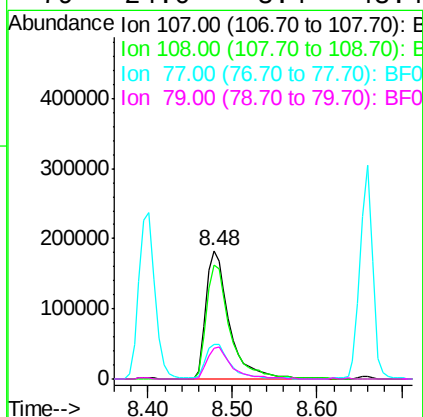
Manual Integrations
APPROVED

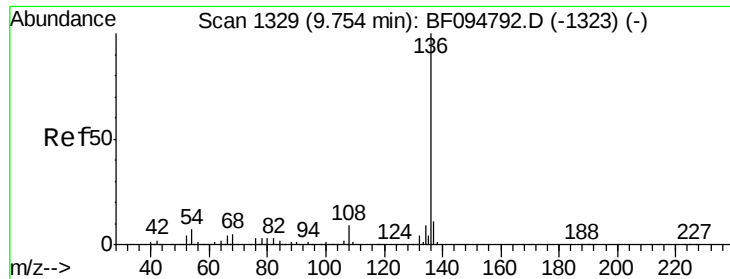
mohammad
5/4/2017 3:34:39 PM



#20
3+4-Methylphenols
Concen: 44.71 ng
RT: 8.48 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.1	71.0	111.0
77	27.4	90.5	130.5#
79	24.0	8.4	48.4





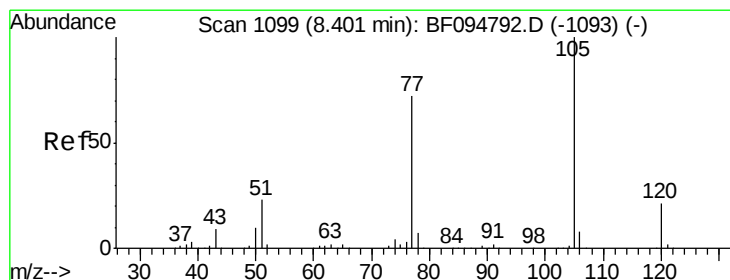
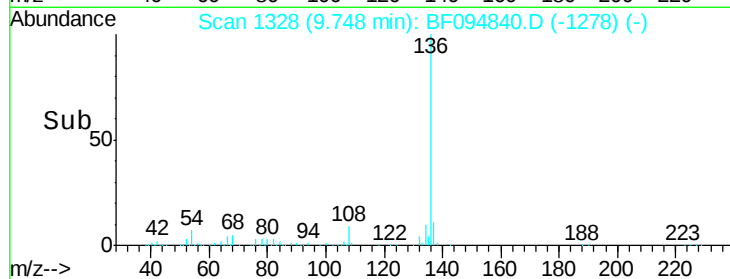
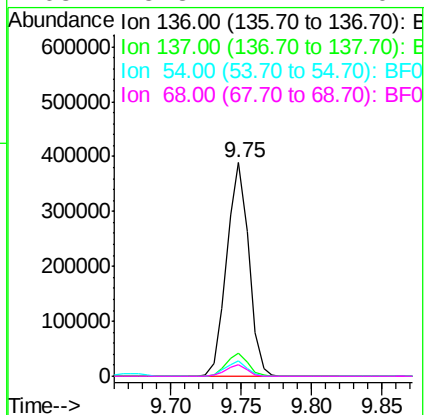
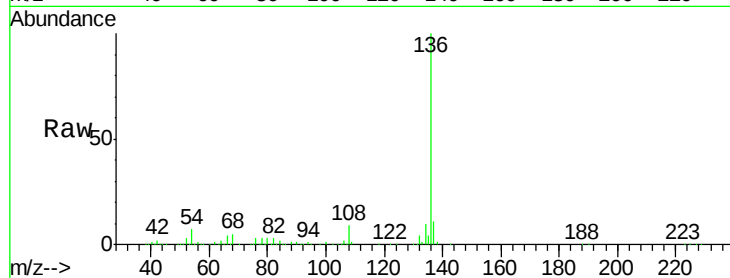
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.75 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	421631		
137	10.7	8.5	12.7	
54	6.9	4.9	7.3	
68	5.3	4.1	6.1	

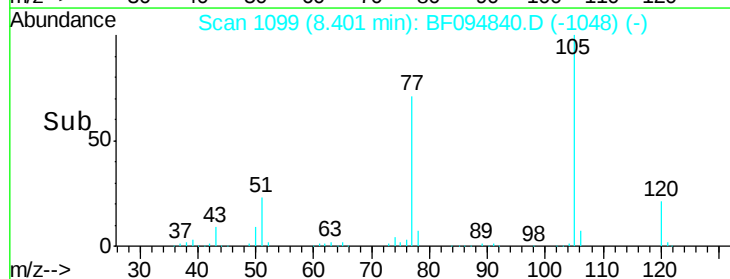
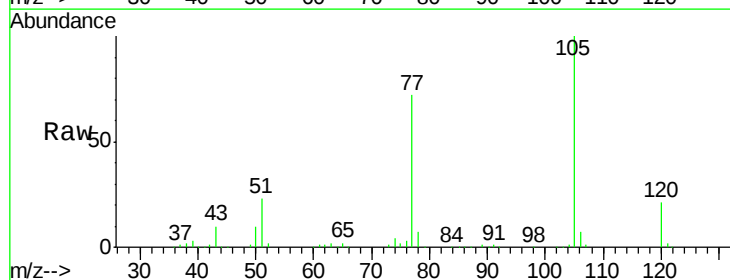
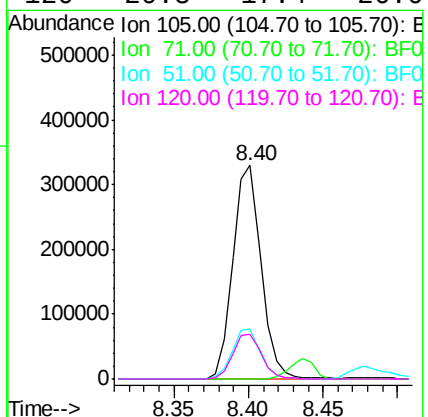
Manual Integrations
APPROVED

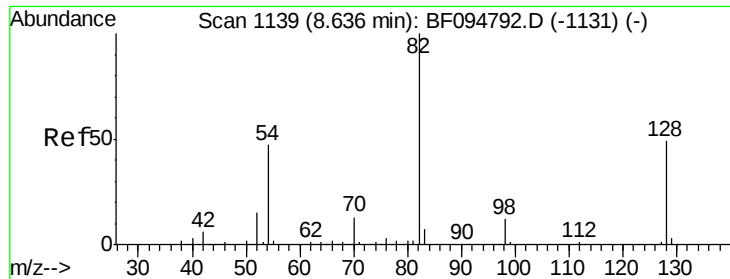
mohammad
5/4/2017 3:34:39 PM



#22
Acetophenone
Concen: 43.26 ng
RT: 8.40 min Scan# 1099
Delta R.T. 0.00 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	437604		
71	0.0	2.8	4.2#	
51	23.3	30.7	46.1#	
120	20.8	17.4	26.0	





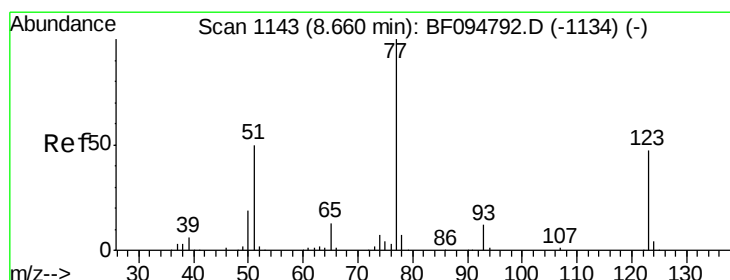
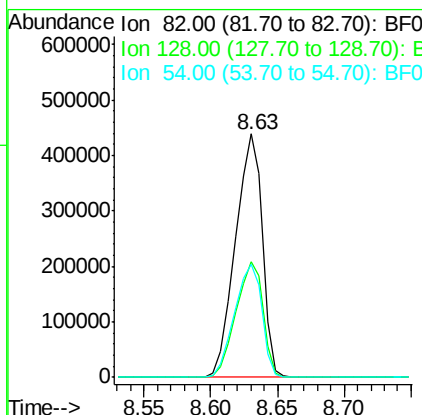
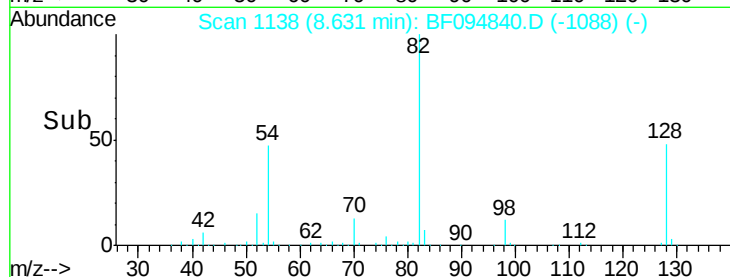
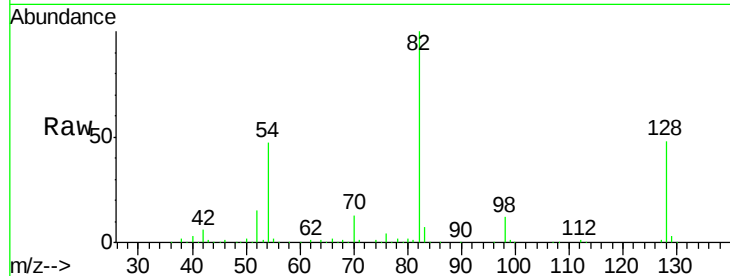
#23
Nitrobenzene-d5
Concen: 91.77 ng
RT: 8.63 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampled :
PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	613596		
128	47.5	34.0	51.0	
54	46.7	42.2	63.2	

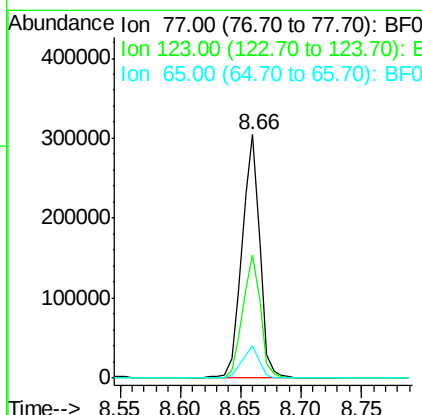
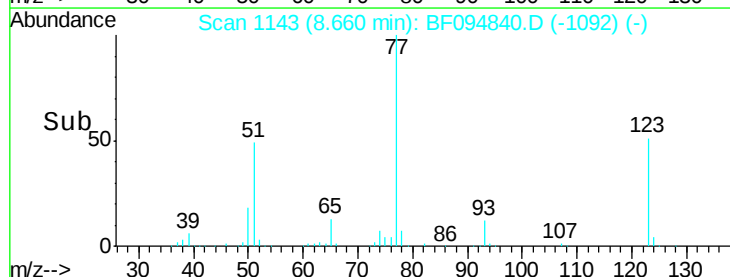
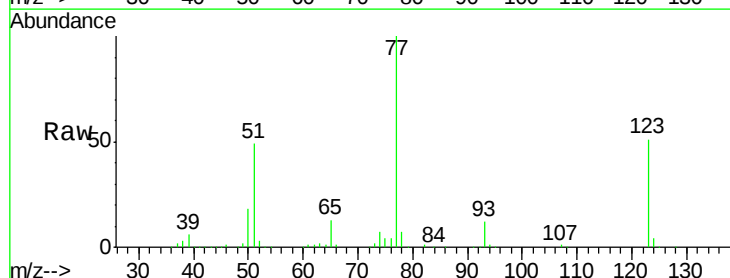
Manual Integrations
APPROVED

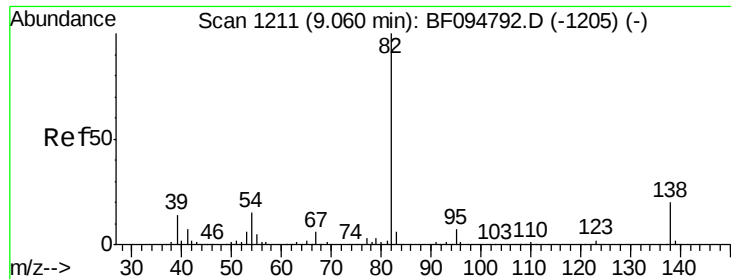
mohammad
5/4/2017 3:34:39 PM



#24
Nitrobenzene
Concen: 44.48 ng
RT: 8.66 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	311734		
123	50.6	35.8	53.8	
65	13.1	10.6	15.8	





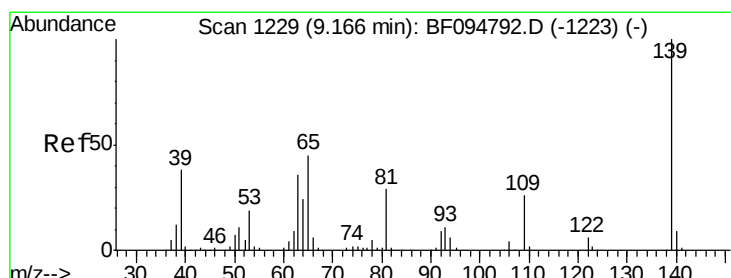
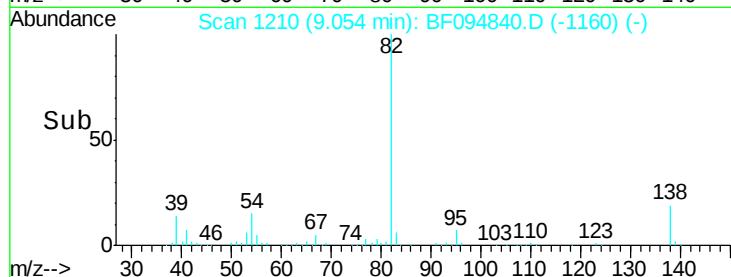
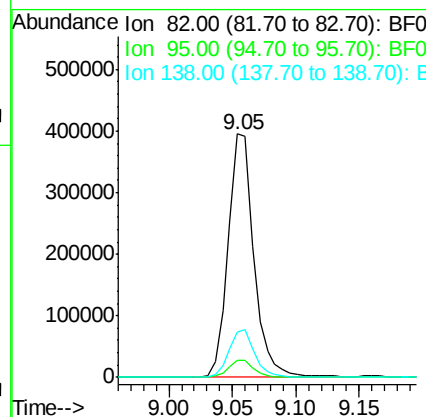
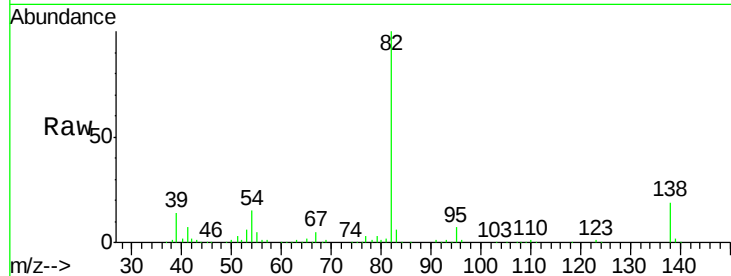
#25
Isophorone
Concen: 46.69 ng
RT: 9.05 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	557501		
95	6.8	5.3	7.9	
138	18.7	13.1	19.7	

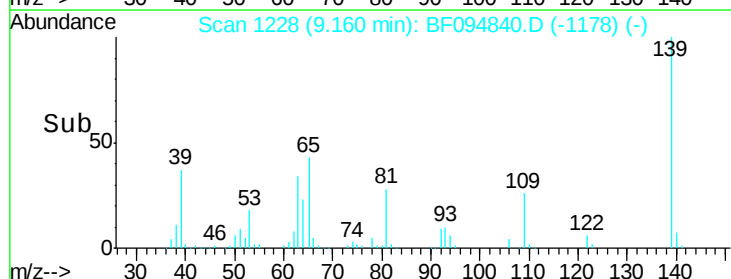
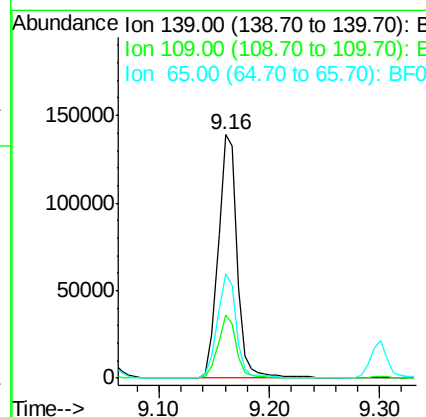
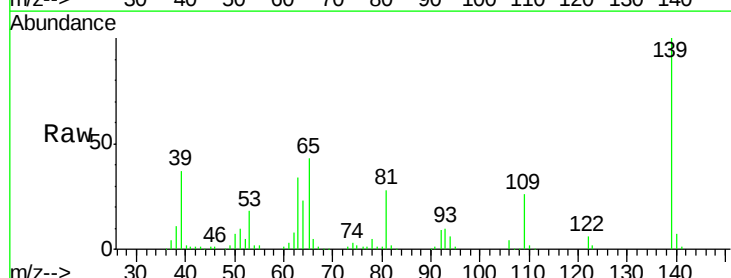
Manual Integrations
APPROVED

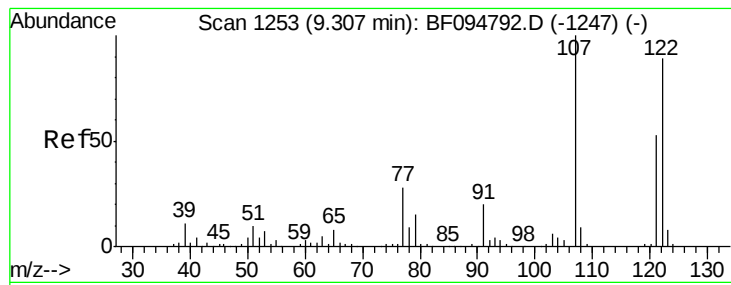
mohammad
5/4/2017 3:34:39 PM



#26
2-Nitrophenol
Concen: 43.45 ng
RT: 9.16 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	164305		
109	25.8	21.0	31.6	
65	42.8	33.0	49.6	





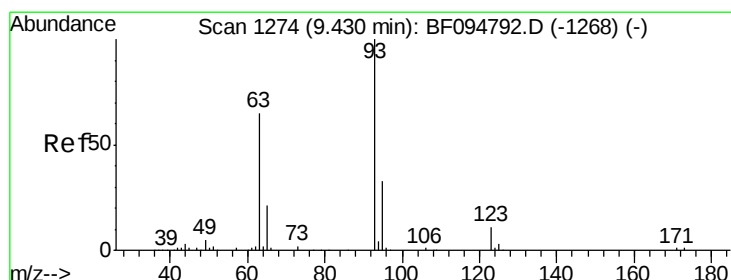
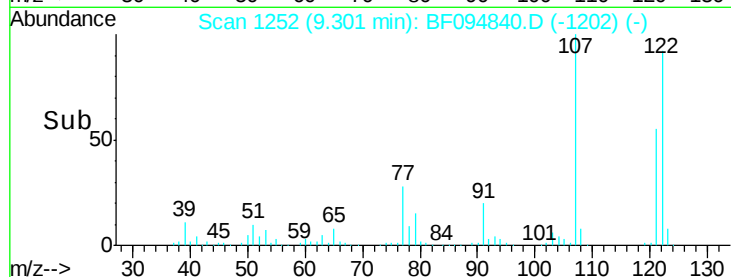
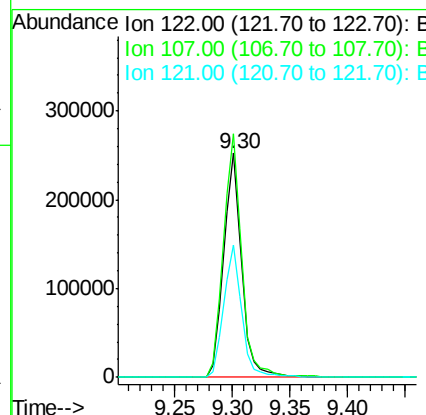
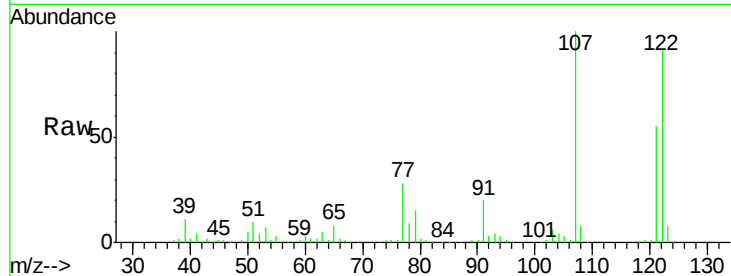
#27
 2,4-Dimethylphenol
 Concen: 45.01 ng
 RT: 9.30 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	275217		
107	108.7	89.2	133.8	
121	59.3	45.2	67.8	

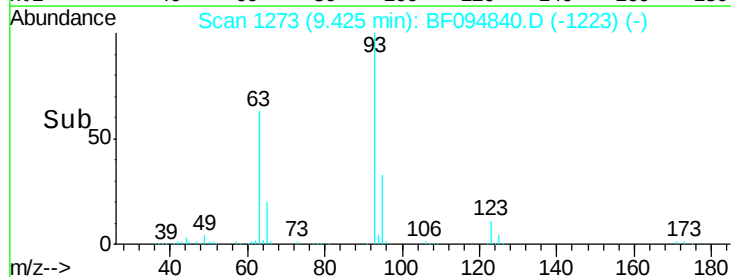
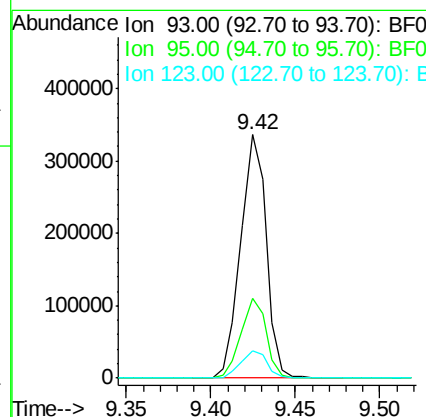
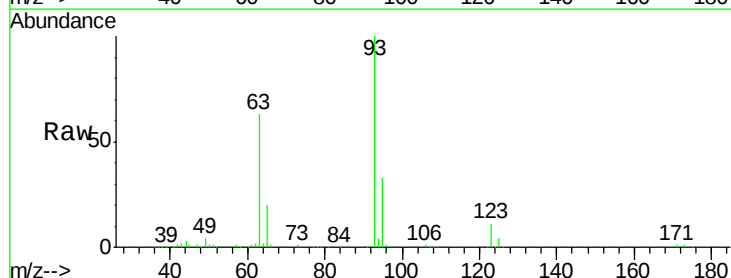
Manual Integrations
 APPROVED

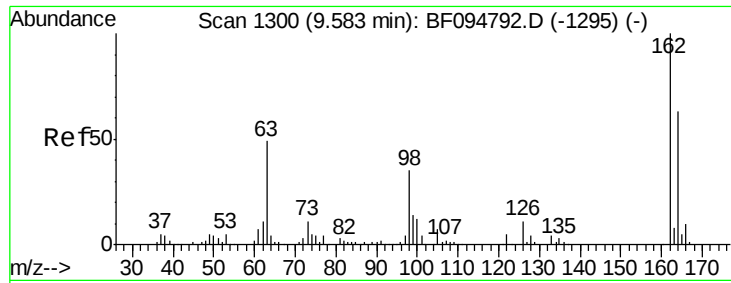
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 43.11 ng
 RT: 9.42 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	356097		
95	32.9	26.5	39.7	
123	11.3	9.0	13.4	





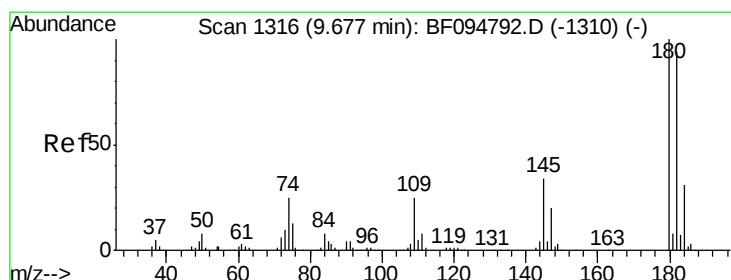
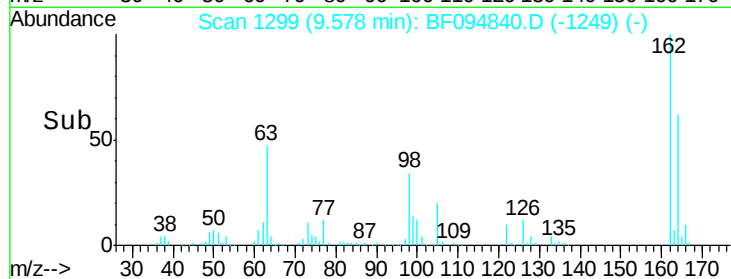
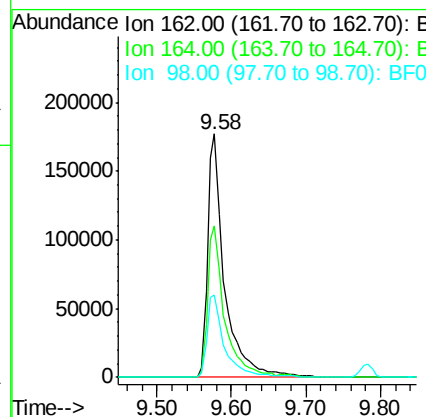
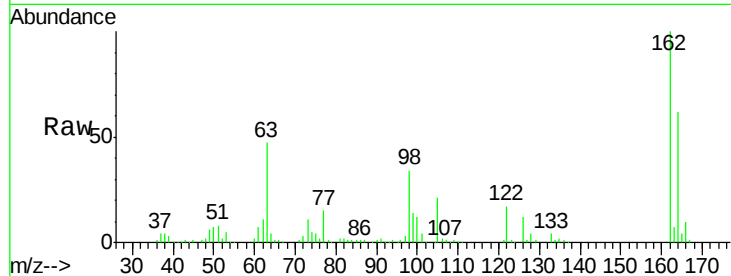
#29
 2,4-Dichlorophenol
 Concen: 48.56 ng
 RT: 9.58 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	62.3	44.6	84.6
98	33.6	14.8	54.8

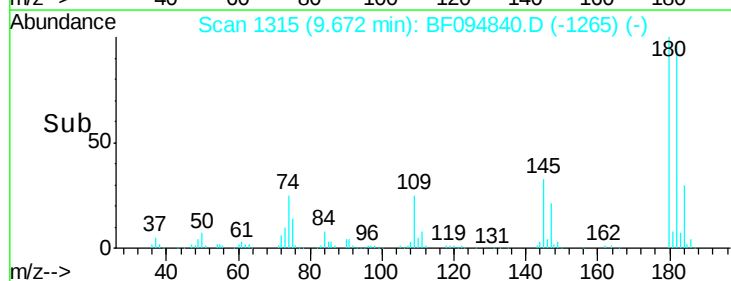
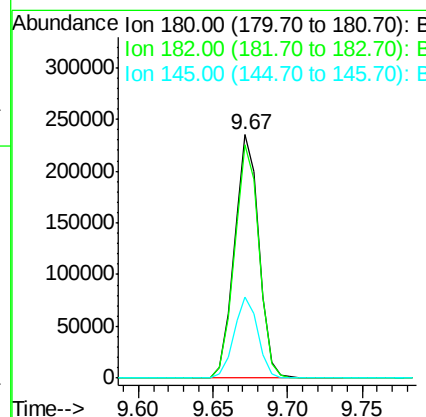
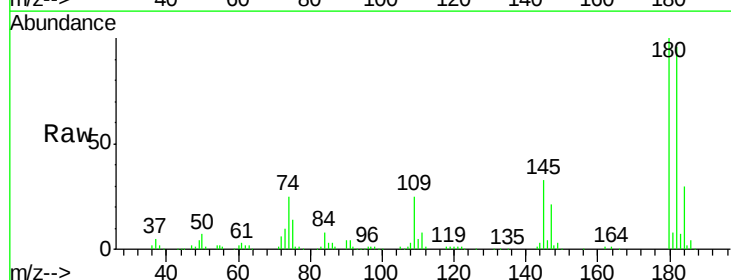
Manual Integrations
 APPROVED

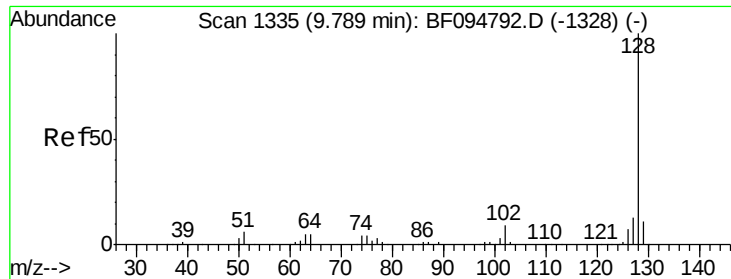
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 43.86 ng
 RT: 9.67 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.7	75.8	113.6
145	33.3	25.3	37.9





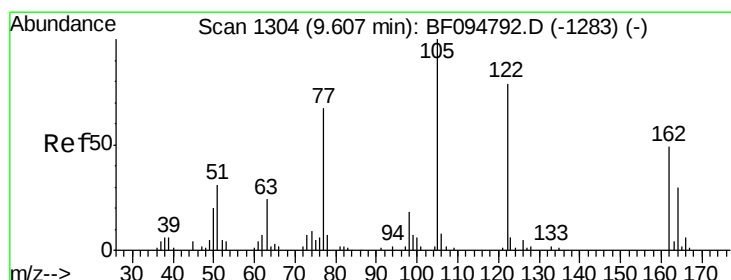
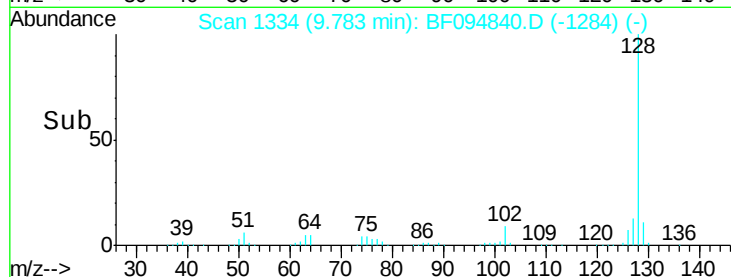
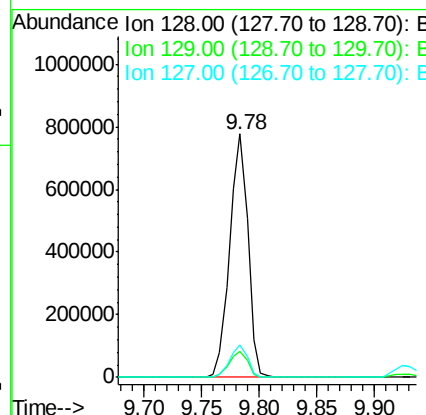
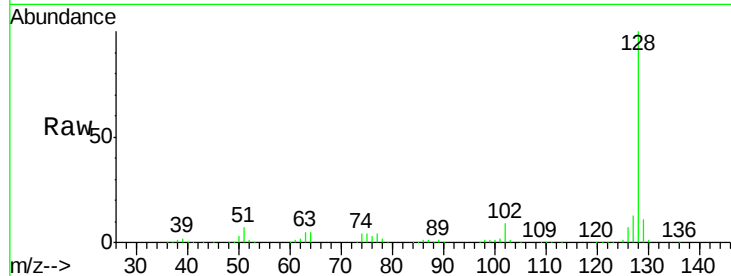
#31
Naphthalene
Concen: 40.22 ng
RT: 9.78 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	852311		
129	10.9	9.0	13.6	
127	13.3	10.8	16.2	

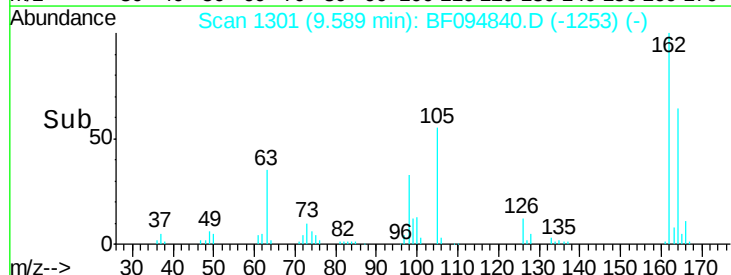
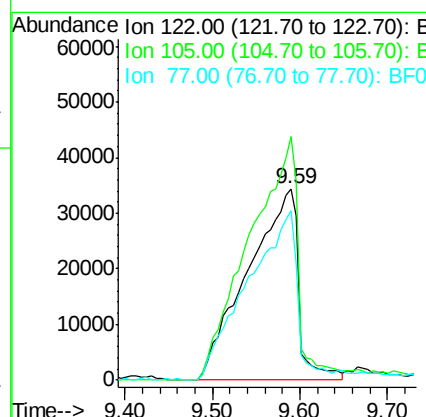
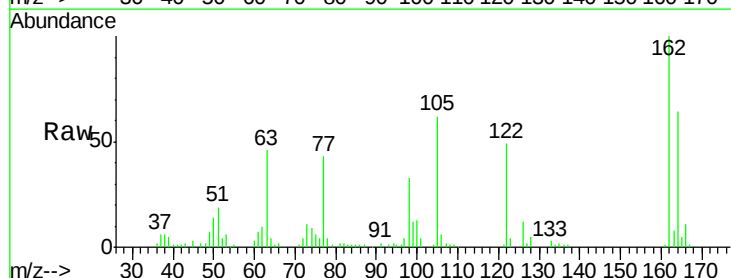
Manual Integrations
APPROVED

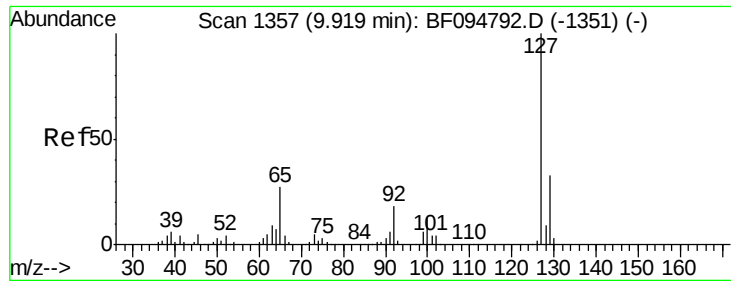
mohammad
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#32
Benzoic acid
Concen: 35.61 ng
RT: 9.59 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	137073		
105	127.0	103.3	143.3	
77	88.2	73.7	113.7	





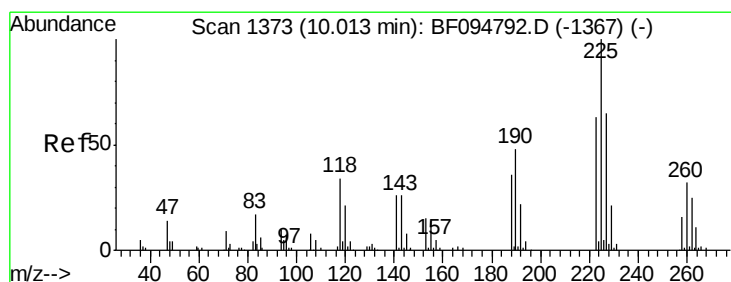
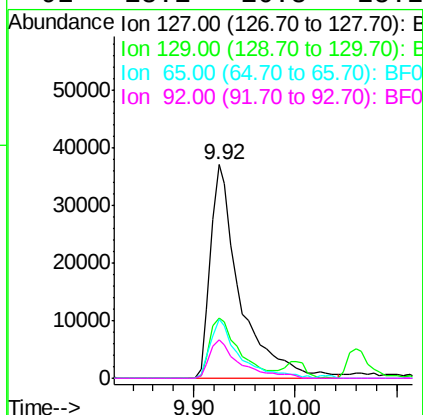
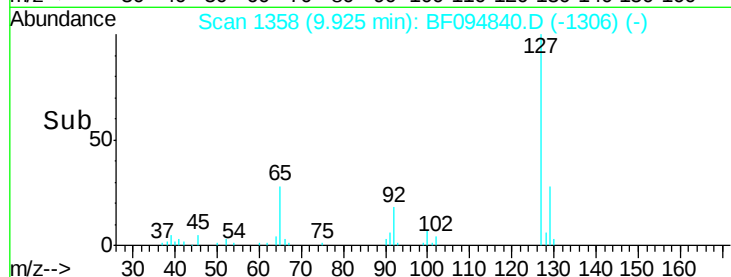
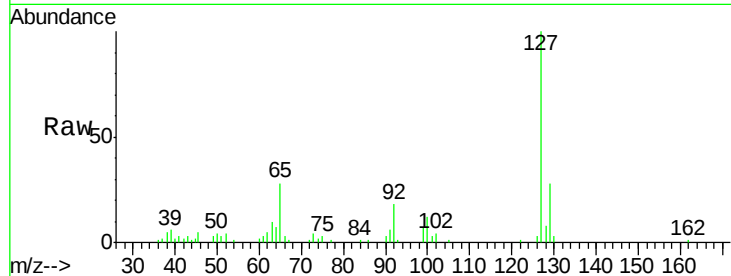
#33
4-Chloroaniline
Concen: 9.49 ng
RT: 9.92 min Scan# 1358
Delta R.T. 0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Lower	Upper
127	100		
129	28.5	26.2	39.2
65	27.7	27.8	41.8
92	18.1	16.8	25.2

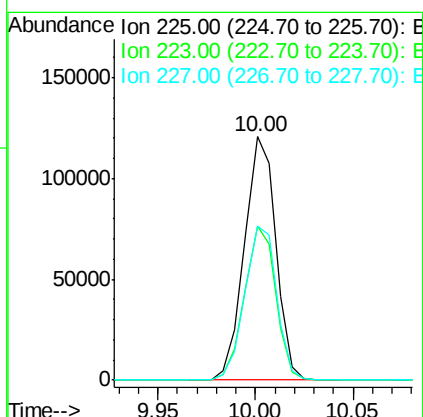
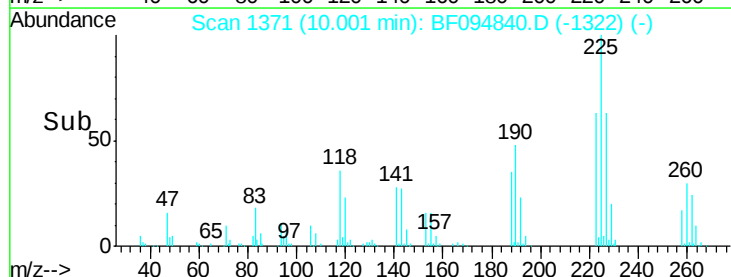
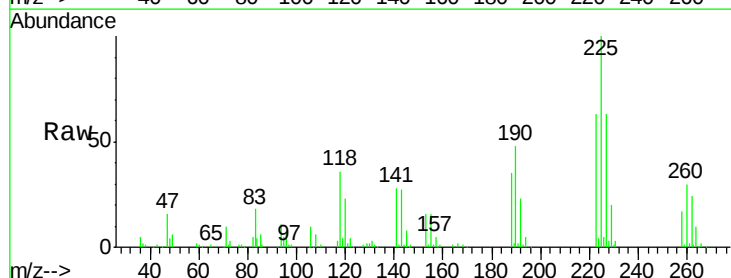
Manual Integrations
APPROVED

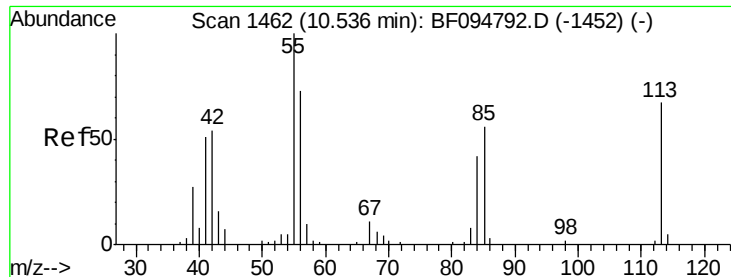
mohammad
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#34
Hexachlorobutadiene
Concen: 41.36 ng
RT: 10.00 min Scan# 1371
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	48.8	73.2
227	63.4	51.1	76.7





#35

Caprolactam

Concen: 48.27 ng m

RT: 10.55 min Scan# 1464

Delta R.T. 0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

ClientSampleId :

PB98646BS

Tgt Ion:113 Resp: 83680

Ion Ratio Lower Upper

113 100

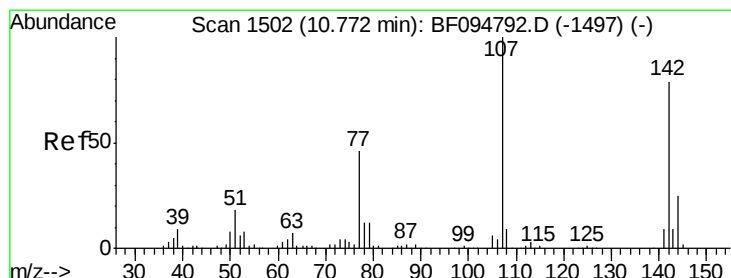
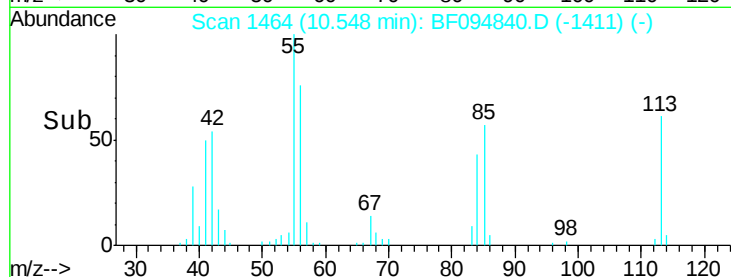
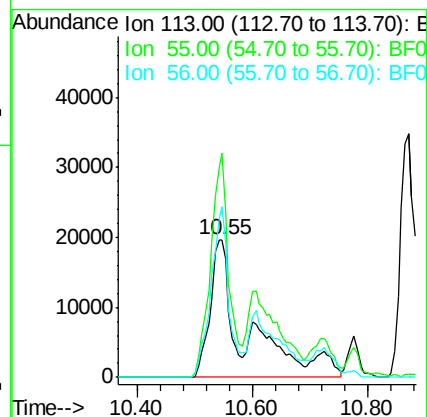
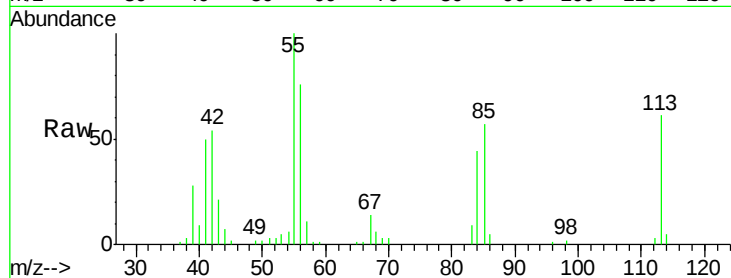
55 162.7 150.2 190.2

56 123.5 107.8 147.8

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 42.48 ng

RT: 10.78 min Scan# 1503

Delta R.T. 0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

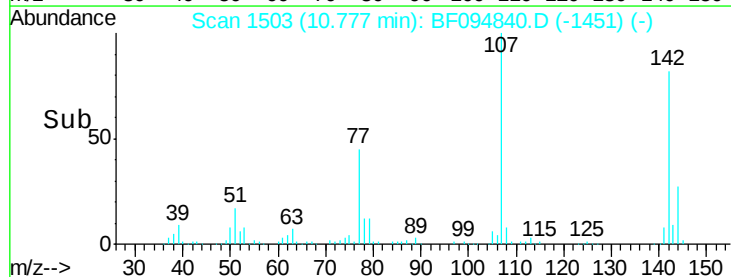
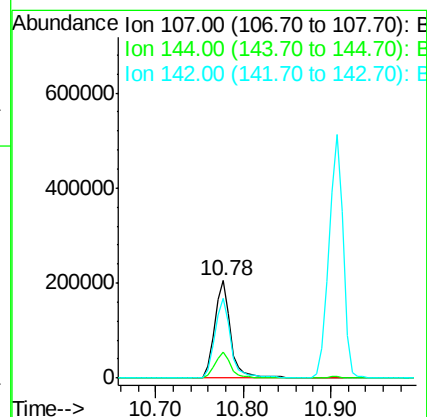
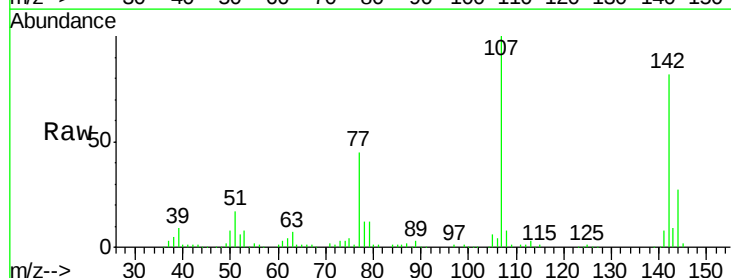
Tgt Ion:107 Resp: 262190

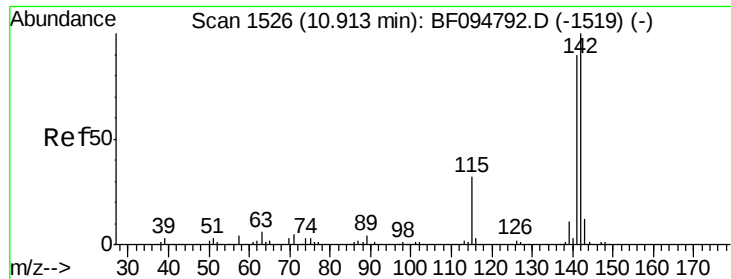
Ion Ratio Lower Upper

107 100

144 26.5 24.2 36.4

142 81.7 73.4 110.0





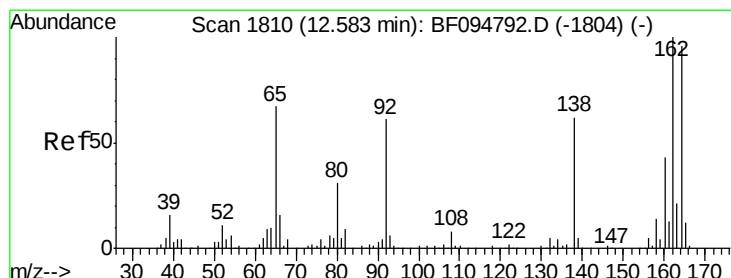
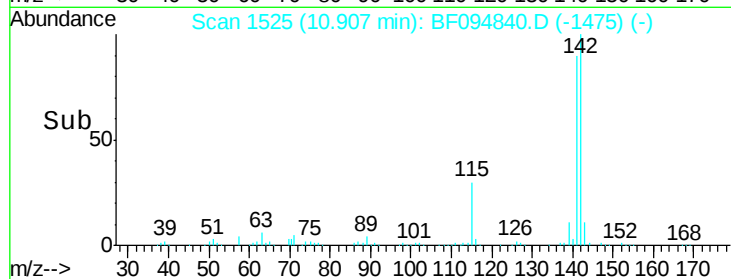
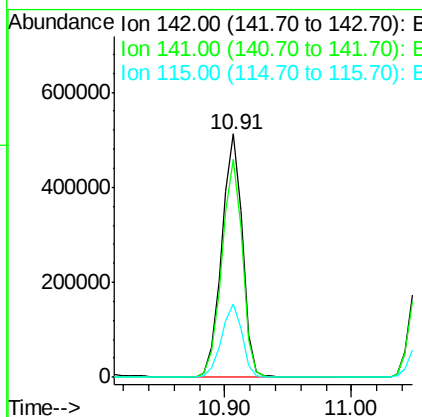
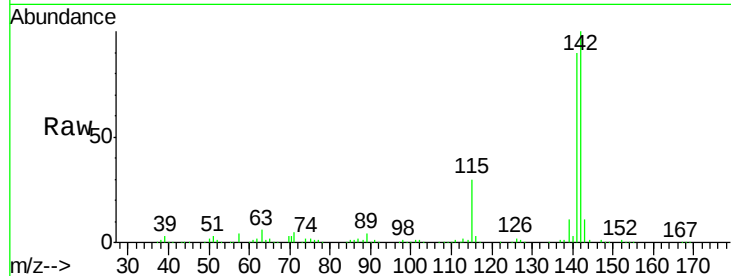
#37
2-Methylnaphthalene
Concen: 41.67 ng
RT: 10.91 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.3	106.9
115	30.3	27.1	40.7

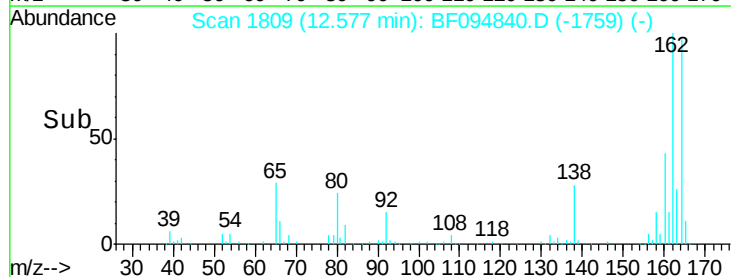
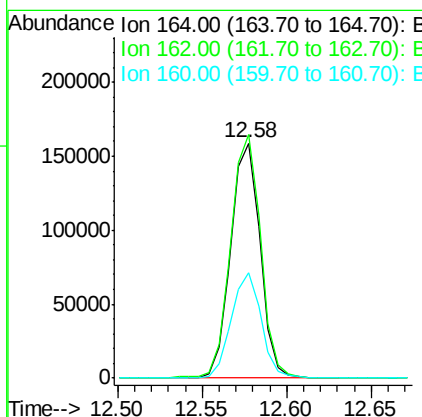
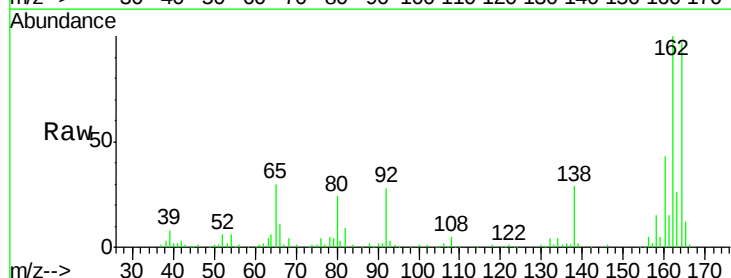
Manual Integrations
APPROVED

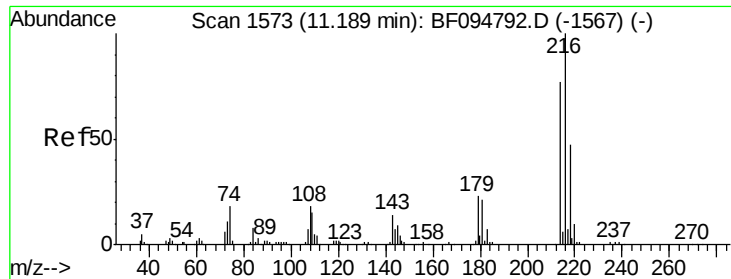
mohammad
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.58 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	45.0	36.2	54.2





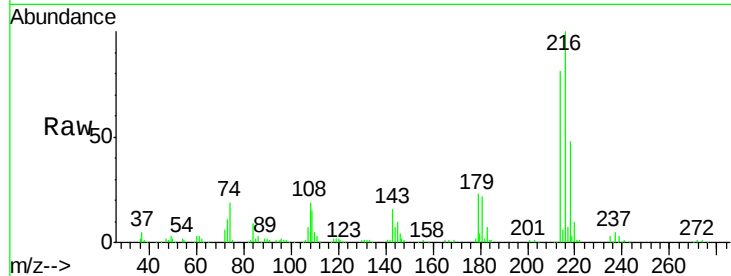
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 38.45 ng
 RT: 11.18 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

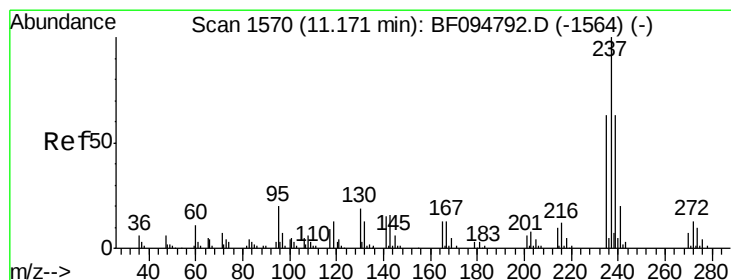
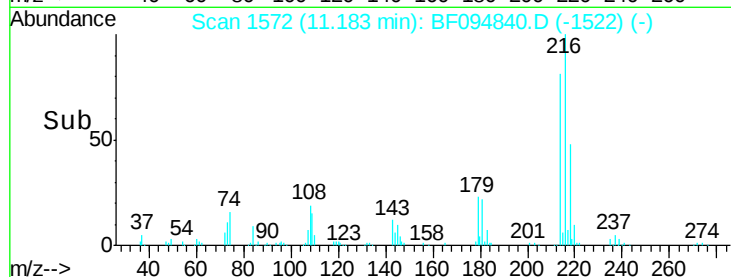
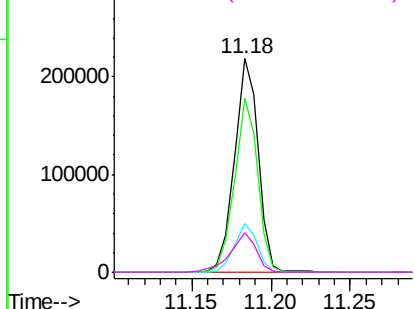
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	226576		
214	79.5	63.4	95.2	
179	22.4	17.9	26.9	
108	20.7	16.5	24.7	

Manual Integrations
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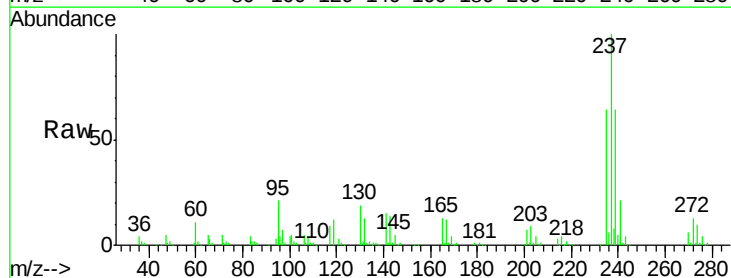


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

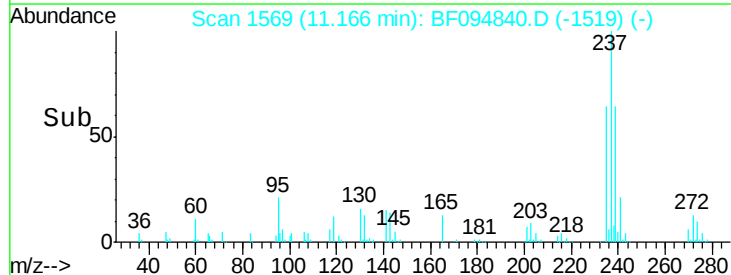
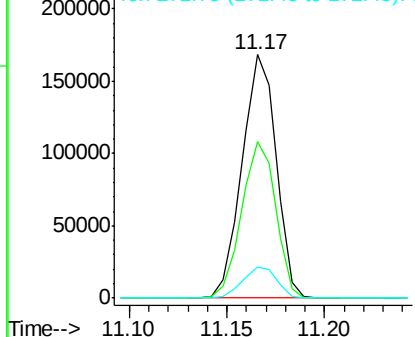


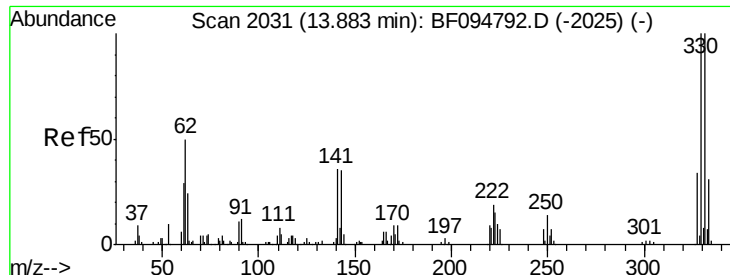
#40
 Hexachlorocyclopentadiene
 Concen: 82.09 ng
 RT: 11.17 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	203790		
235	64.4	42.6	82.6	
272	12.6	0.0	31.9	



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





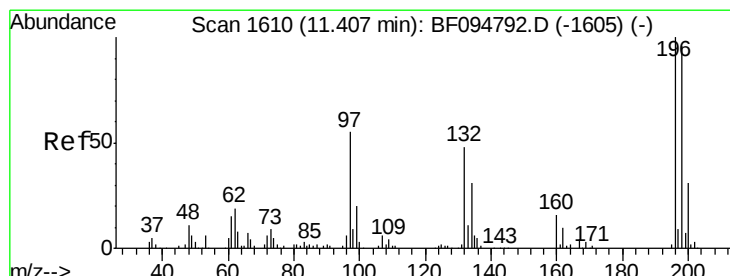
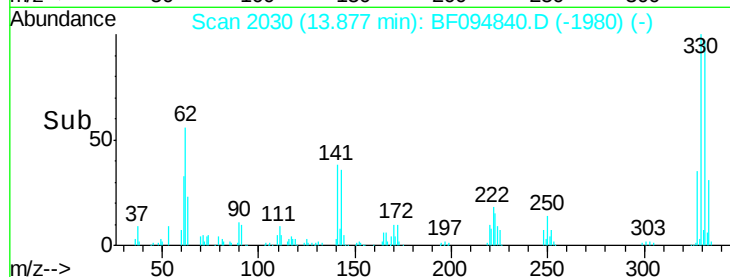
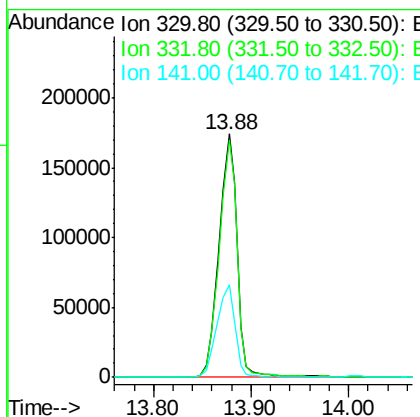
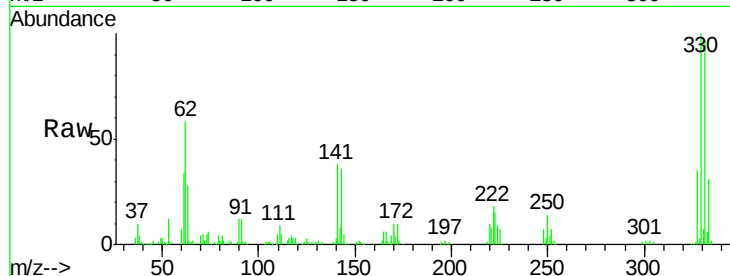
#41
 2,4,6-Tribromophenol
 Concen: 143.51 ng
 RT: 13.88 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	225216		
332	96.8	76.6	115.0	
141	38.6	31.4	47.2	

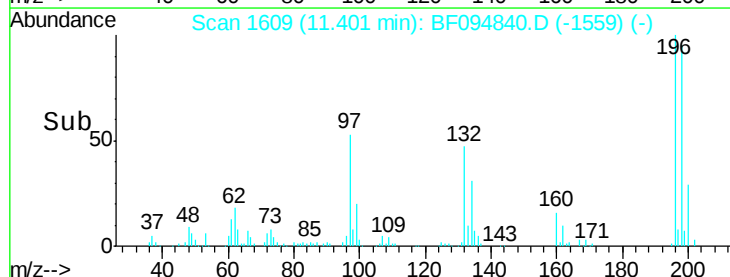
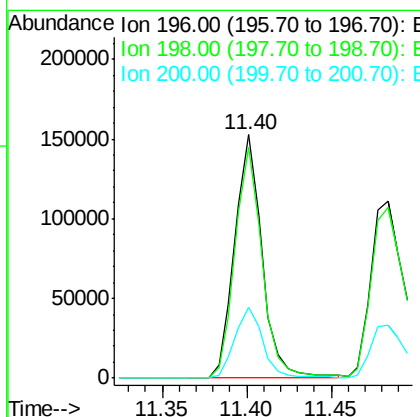
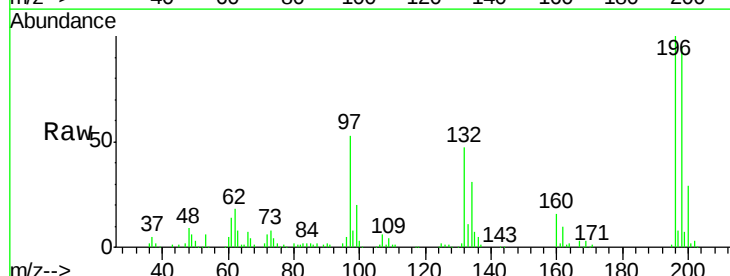
Manual Integrations
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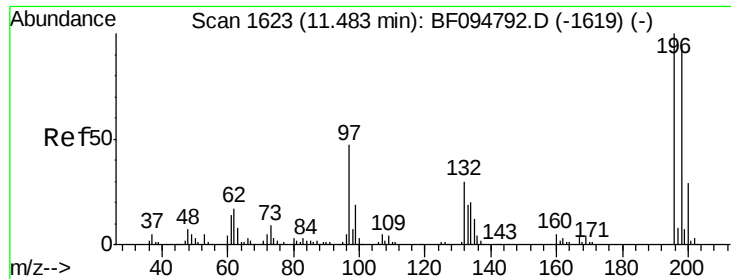
mohammad
 5/4/2017 3:34:39 PM



#42
 2,4,6-Trichlorophenol
 Concen: 43.81 ng
 RT: 11.40 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	172386		
198	94.8	74.2	111.4	
200	29.3	24.0	36.0	





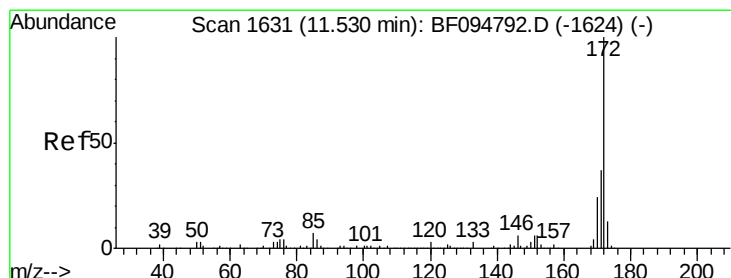
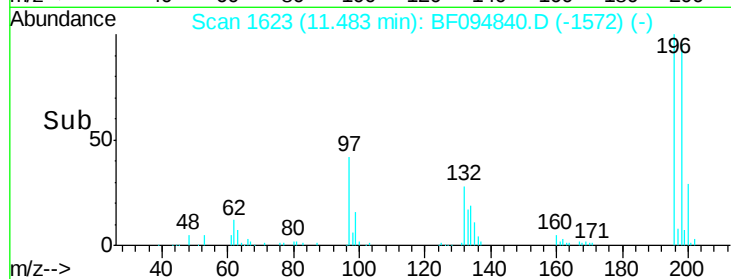
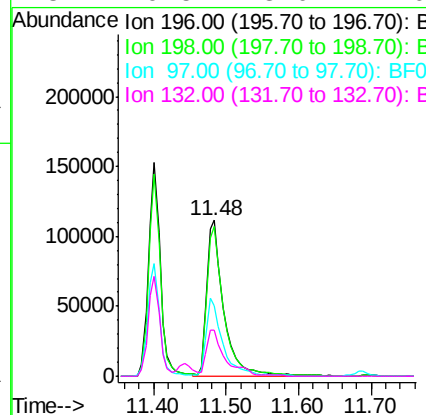
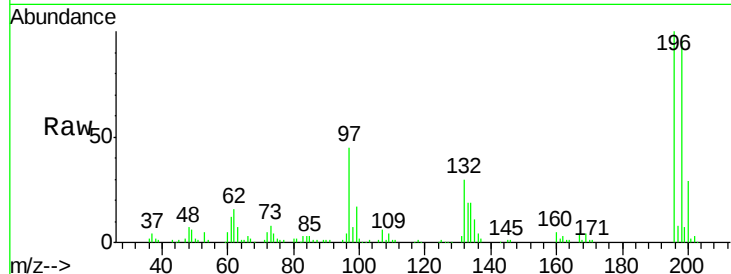
#43
 2,4,5-Trichlorophenol
 Concen: 43.30 ng
 RT: 11.48 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	183100		
198	95.9	75.7	113.5	
97	44.9	47.7	71.5	
132	29.5	28.0	42.0	

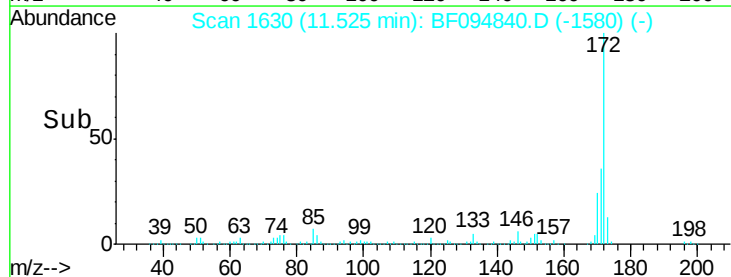
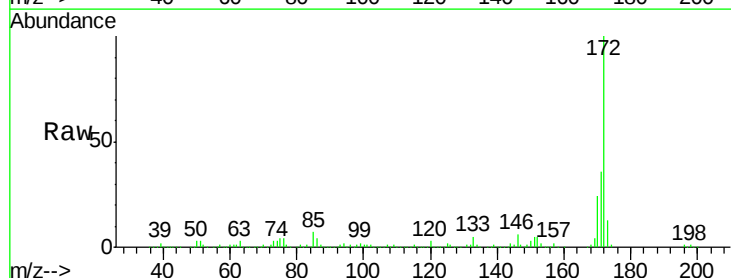
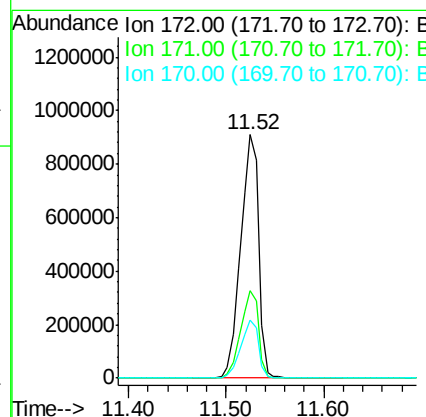
Manual Integrations
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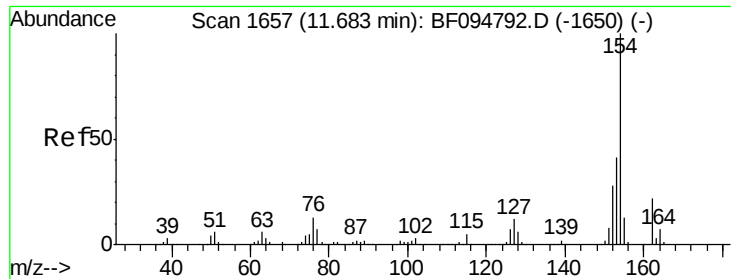
mohammad
 5/4/2017 3:34:39 PM



#44
 2-Fluorobiphenyl
 Concen: 87.06 ng
 RT: 11.52 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1159063		
171	35.8	29.6	44.4	
170	24.0	19.8	29.8	





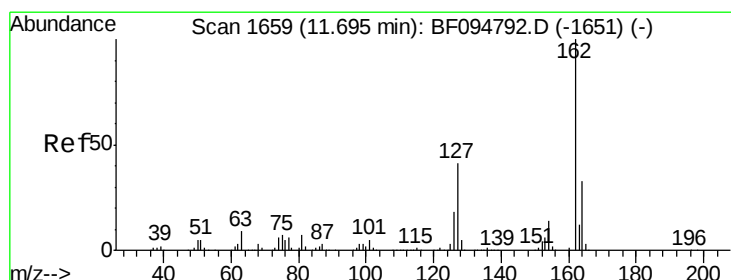
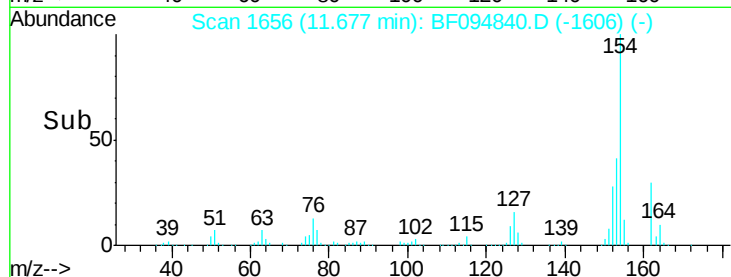
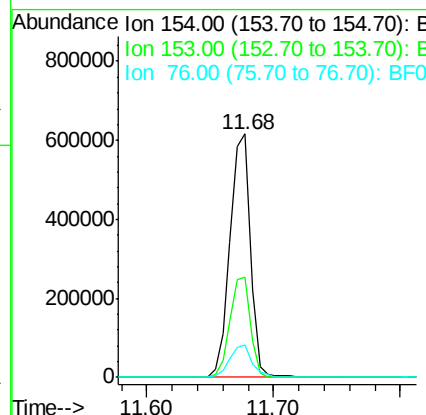
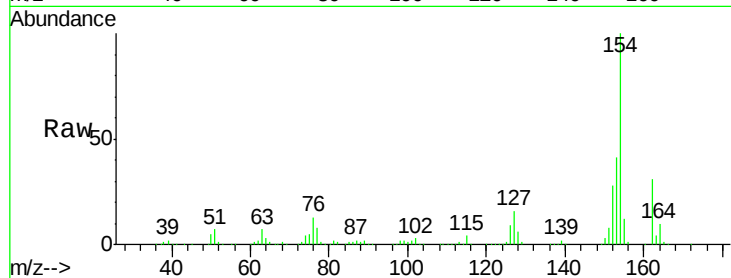
#45
 1,1'-Biphenyl
 Concen: 42.61 ng
 RT: 11.68 min Scan# 1656
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.2	61.2
76	13.3	0.0	29.9

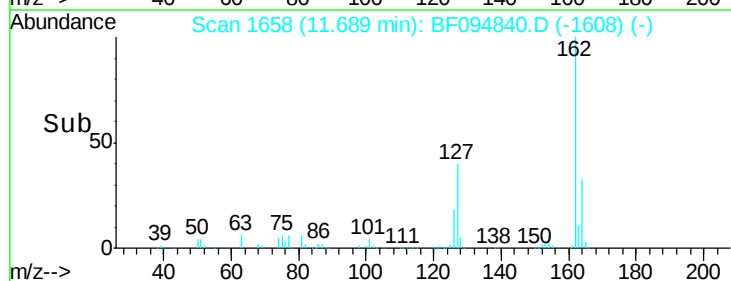
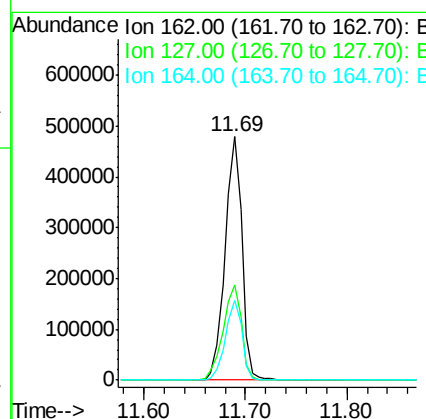
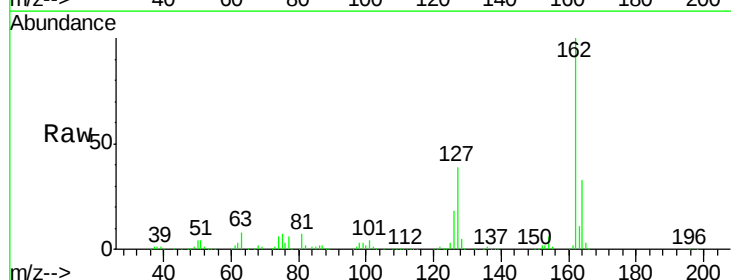
Manual Integrations
 APPROVED

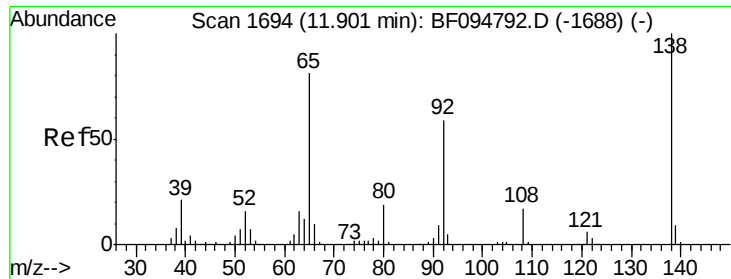
mohammad
 5/4/2017 3:34:39 PM



#46
 2-Chloronaphthalene
 Concen: 42.63 ng
 RT: 11.69 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.0	28.3	42.5
164	32.9	27.0	40.4





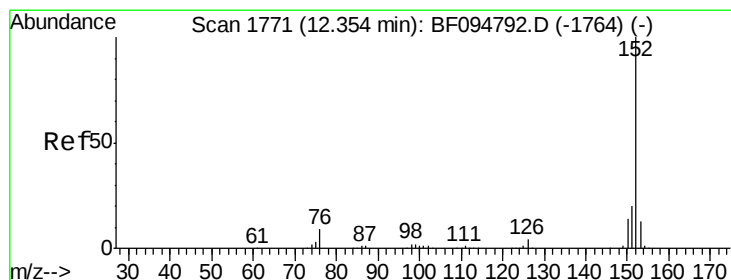
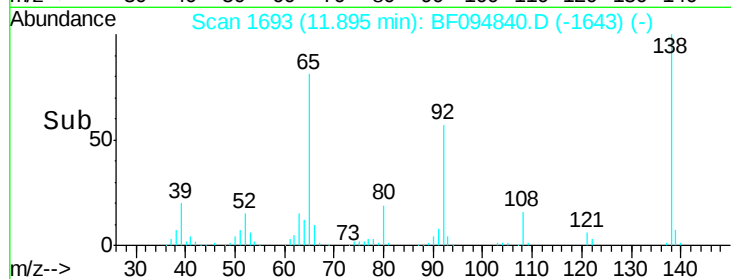
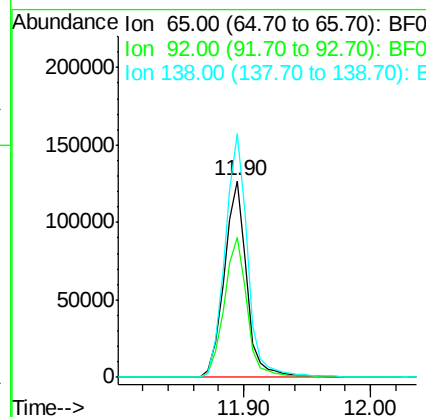
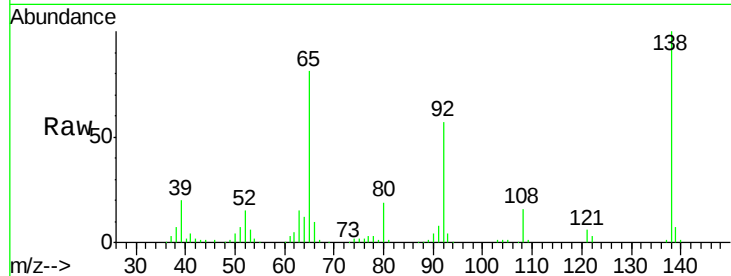
#47
 2-Nitroaniline
 Concen: 43.85 ng
 RT: 11.90 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.3	53.9	80.9
138	124.1	78.8	118.2

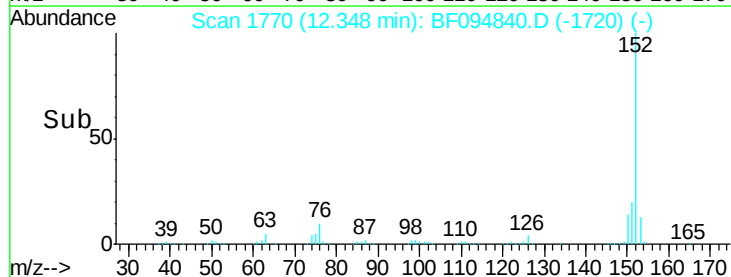
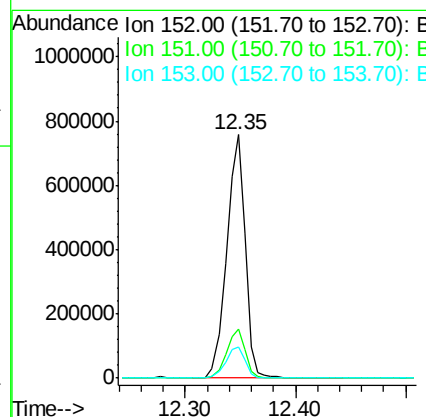
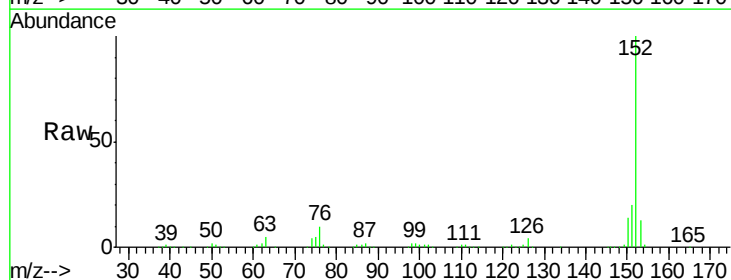
Manual Integrations
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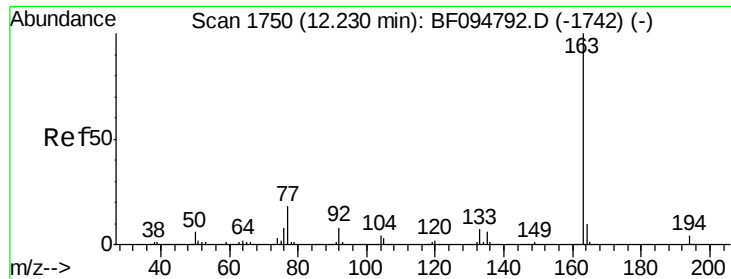
mohammad
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#48
 Acenaphthylene
 Concen: 43.41 ng
 RT: 12.35 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	13.0	10.8	16.2





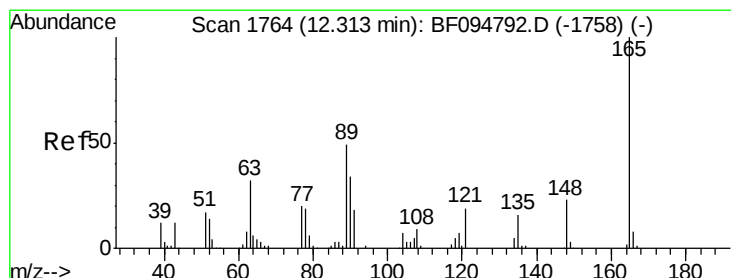
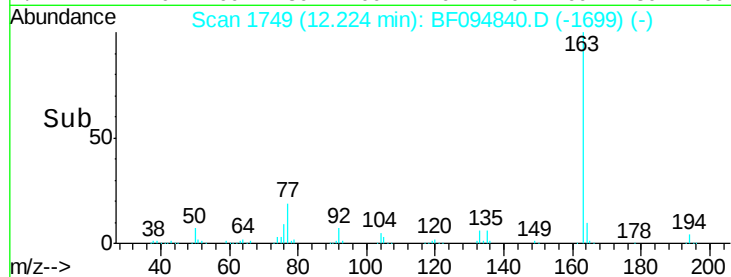
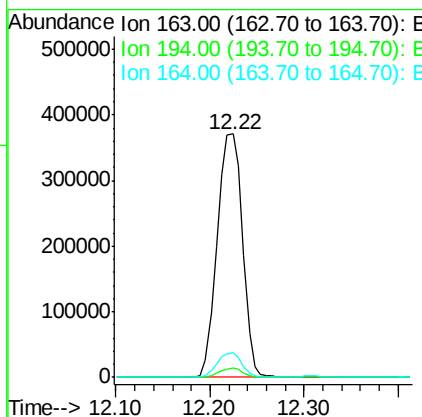
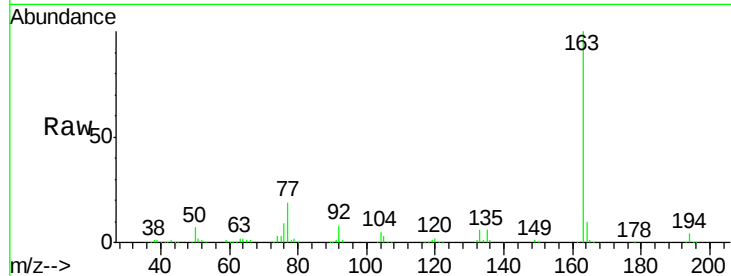
#49
Dimethylphthalate
Concen: 44.46 ng
RT: 12.22 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	699380		
194	3.6	2.6	4.0	
164	10.2	8.4	12.6	

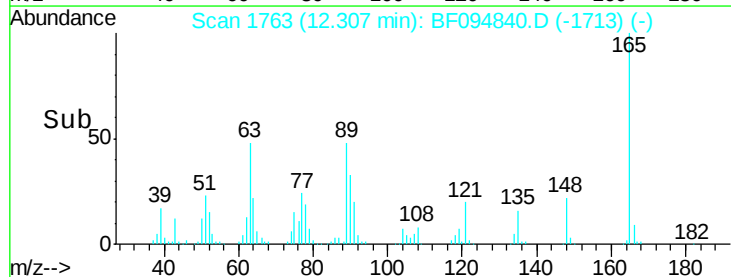
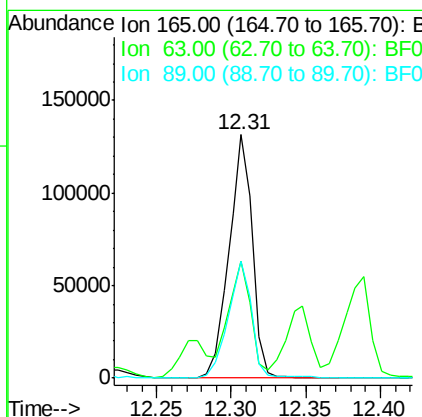
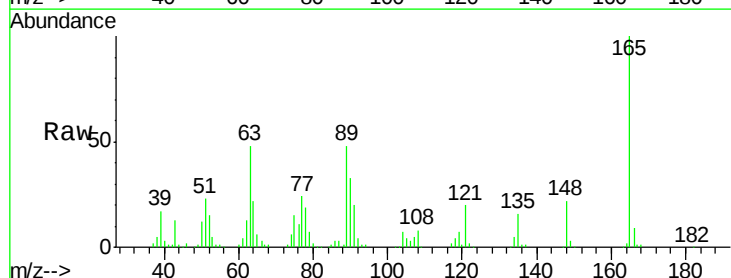
Manual Integrations
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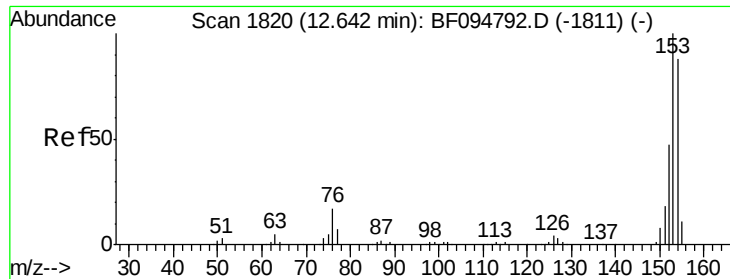
mohammad
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#50
2,6-Dinitrotoluene
Concen: 45.27 ng
RT: 12.31 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	145304		
63	48.0	34.3	51.5	
89	48.3	37.1	55.7	





#51

Acenaphthene

Concen: 43.85 ng

RT: 12.63 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

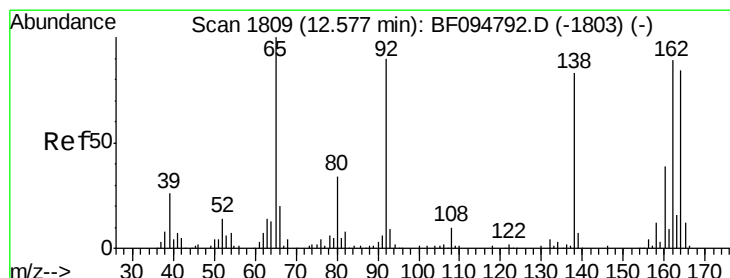
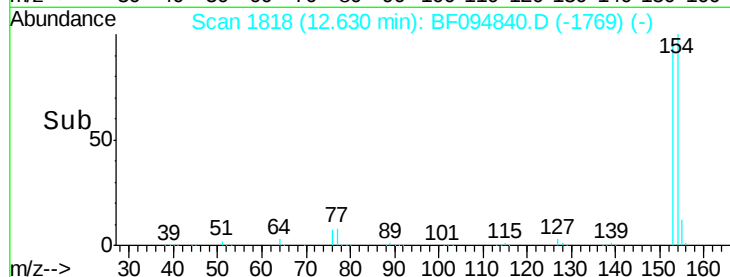
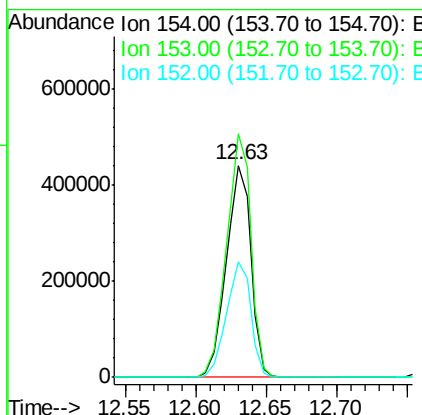
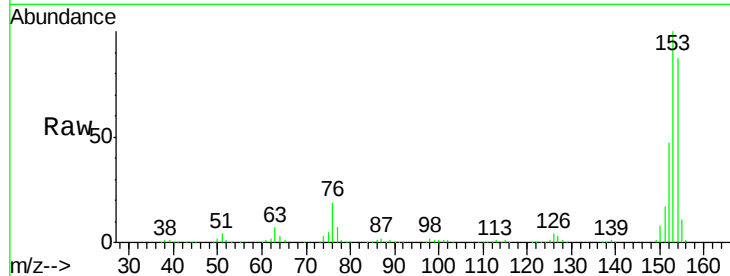
ClientSampleId :

PB98646BS

Tgt Ion:	154	Resp:	534403
Ion Ratio	Lower	Upper	
154	100		
153	114.9	90.5	135.7
152	54.5	43.6	65.4

Manual Integrations
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5/4/2017 3:34:39 PM



#52

3-Nitroaniline

Concen: 20.12 ng

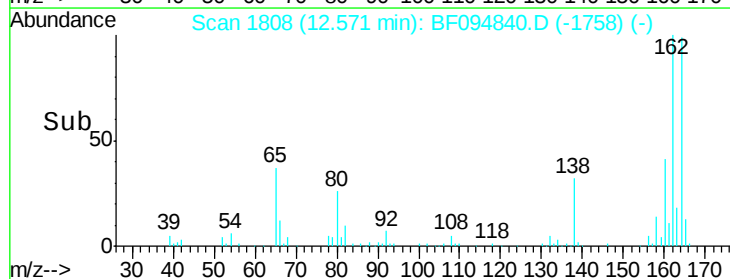
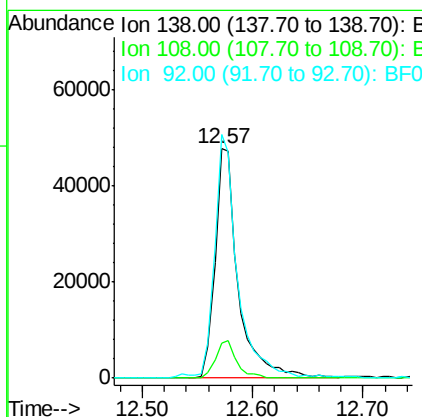
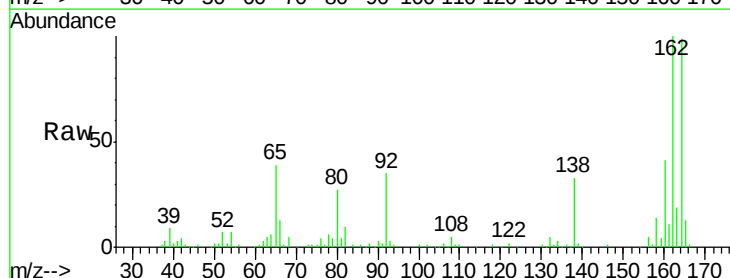
RT: 12.57 min Scan# 1808

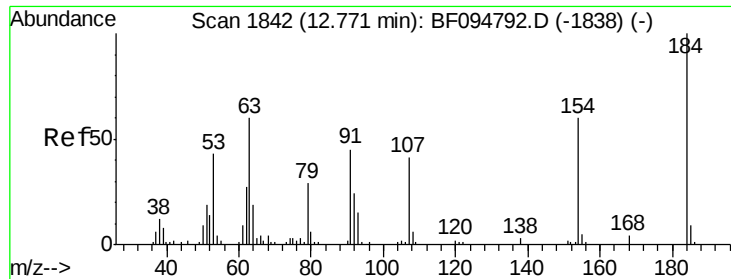
Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Tgt Ion:	138	Resp:	69289
Ion Ratio	Lower	Upper	
138	100		
108	15.1	9.1	13.7#
92	106.1	93.8	140.6





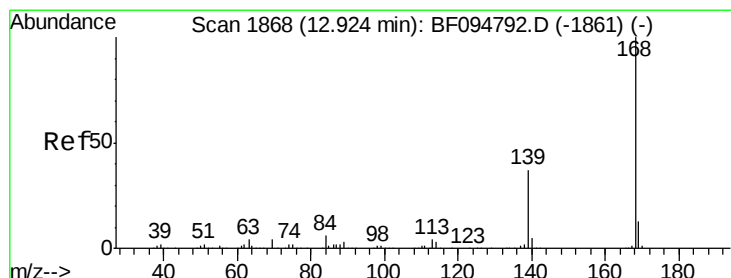
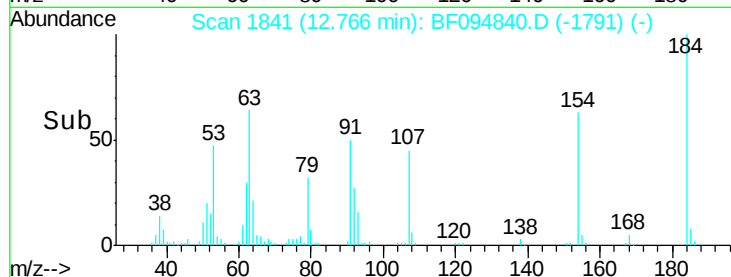
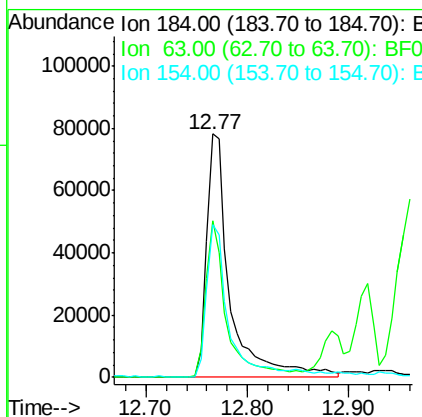
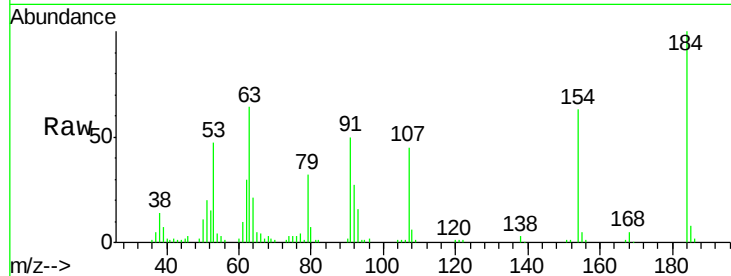
#53
 2,4-Dinitrophenol
 Concen: 71.51 ng
 RT: 12.77 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampled :
 PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	125128		
63	64.0	62.7	94.1	
154	62.8	81.1	121.7	

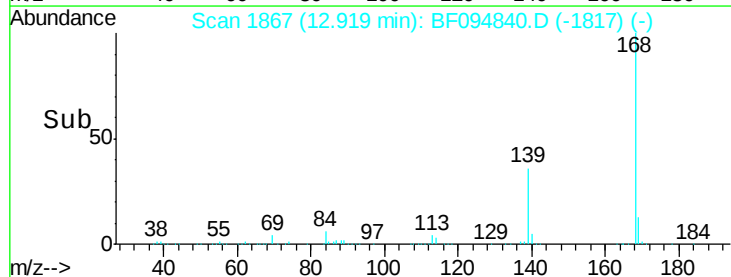
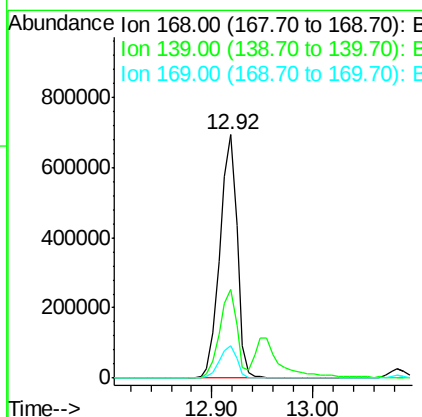
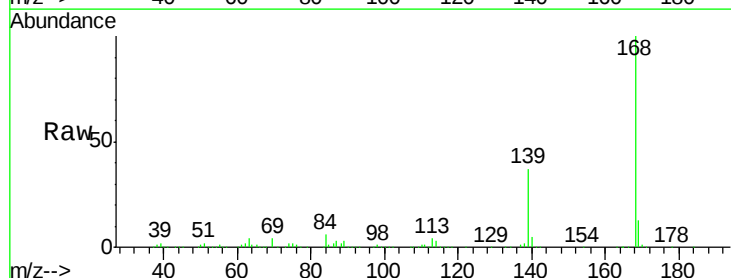
Manual Integrations
 APPROVED

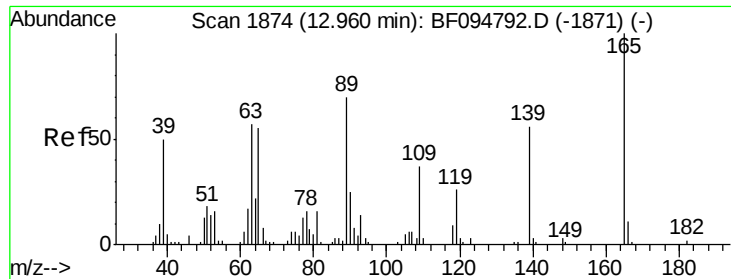
mohammad
 5/4/2017 3:34:39 PM



#54
 Dibenzofuran
 Concen: 48.63 ng
 RT: 12.92 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	820101		
139	36.7	30.6	45.8	
169	13.1	10.8	16.2	





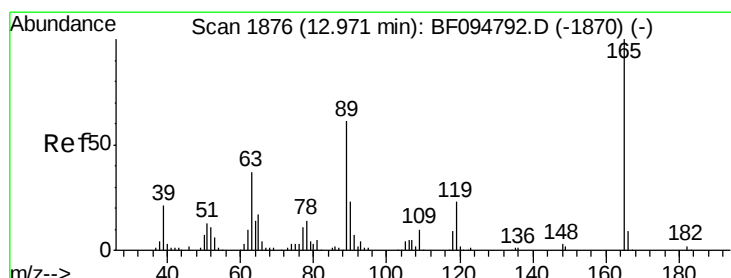
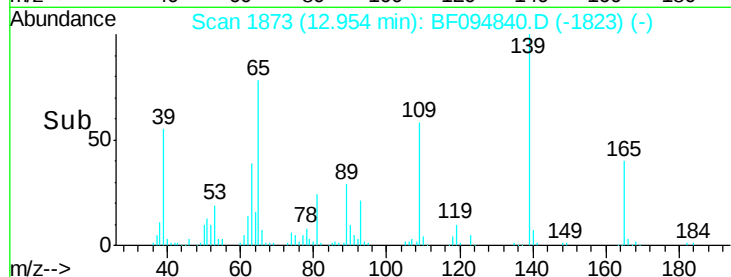
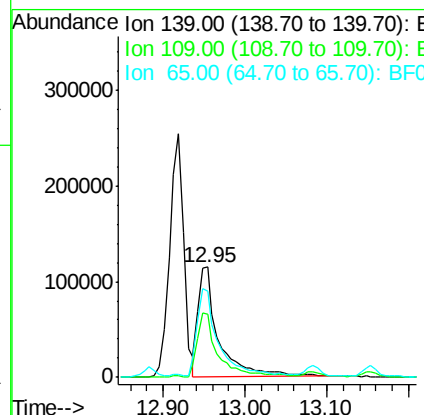
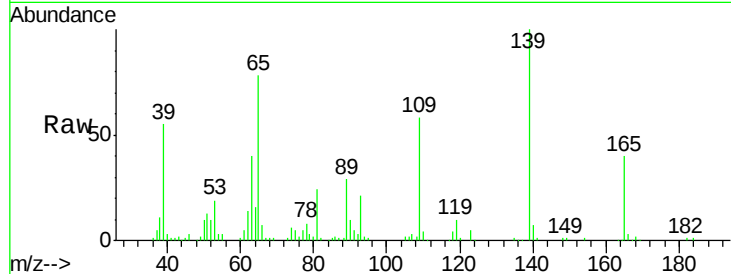
#55
4-Nitrophenol
Concen: 96.89 ng
RT: 12.95 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	200456		
109	57.8	34.1	74.1	
65	78.4	31.4	71.4	

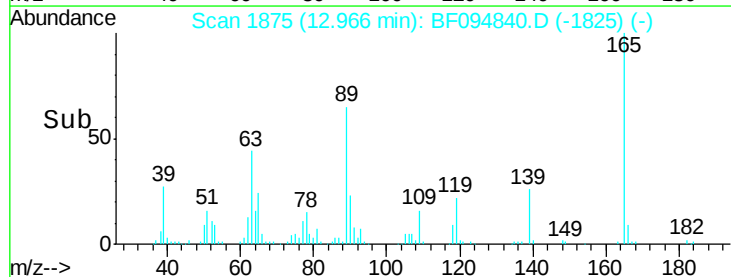
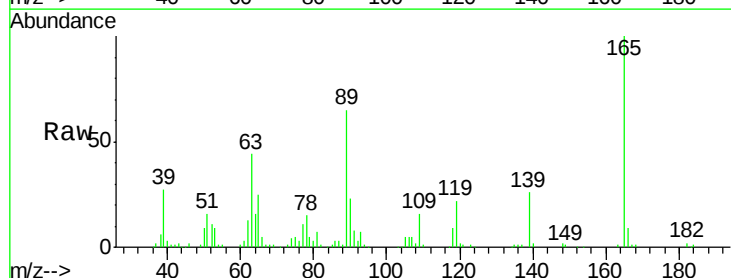
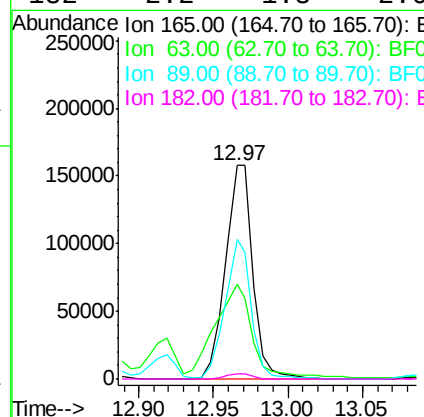
Manual Integrations
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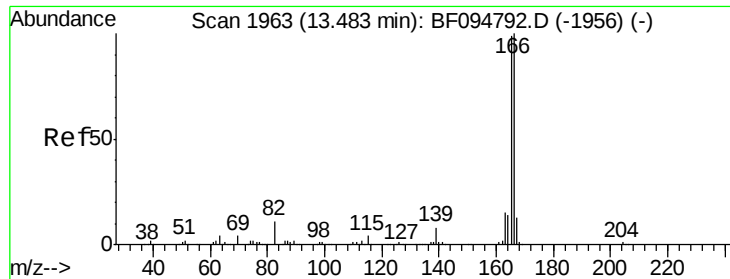
mohammad
5/4/2017 3:34:39 PM



#56
2,4-Dinitrotoluene
Concen: 49.65 ng
RT: 12.97 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	204768		
63	44.2	25.4	38.0	
89	65.2	46.4	69.6	
182	2.2	1.8	2.6	





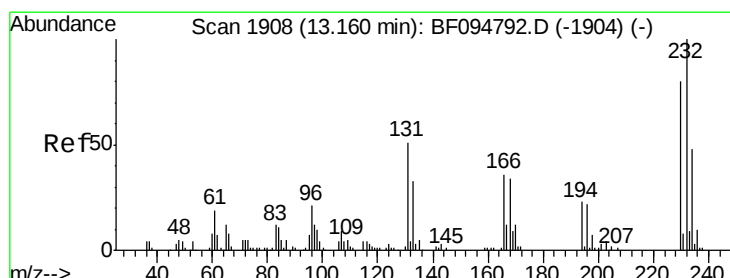
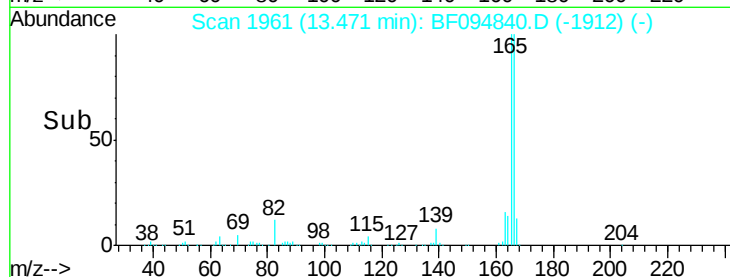
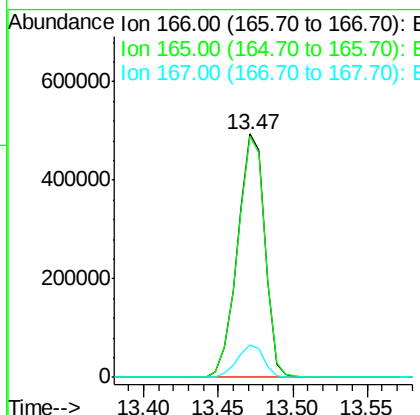
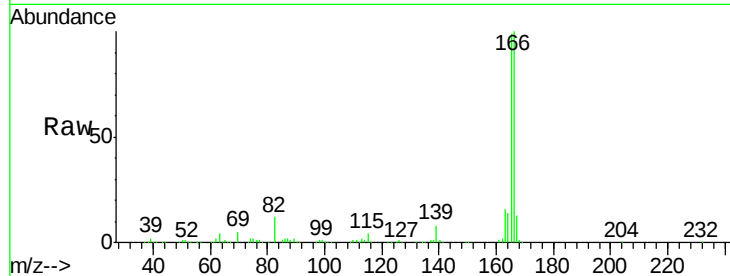
#57
Fluorene
 Concen: 42.84 ng
 RT: 13.47 min Scan# 1961
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	628202		
165	99.3	78.8	118.2	
167	13.2	10.6	16.0	

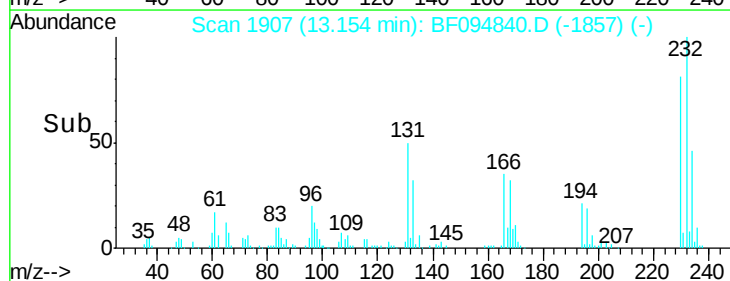
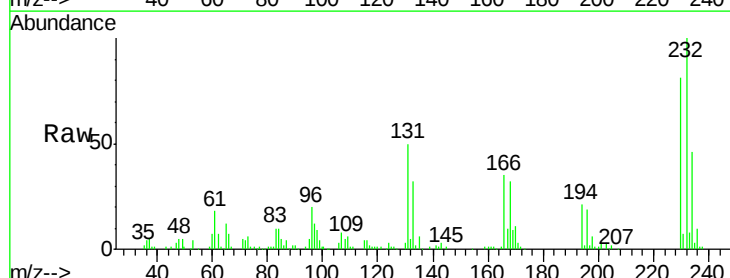
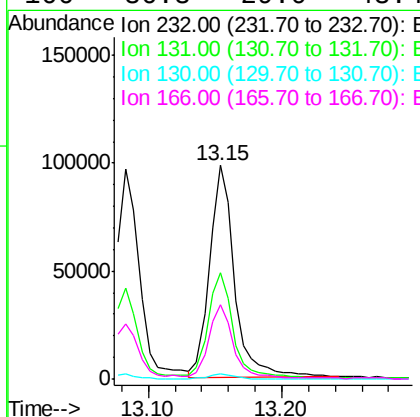
Manual Integrations
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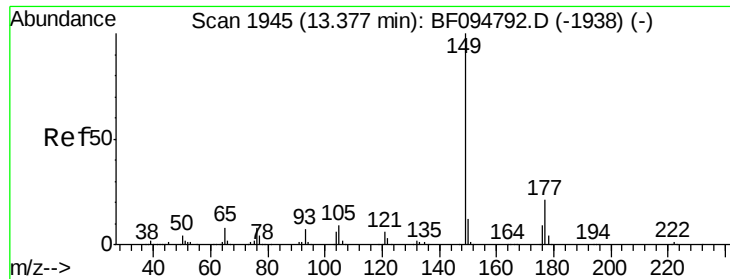
mohammad
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 48.41 ng
 RT: 13.15 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	128844		
131	50.5	44.8	67.2	
130	2.3	2.3	3.5#	
166	36.3	29.0	43.4	





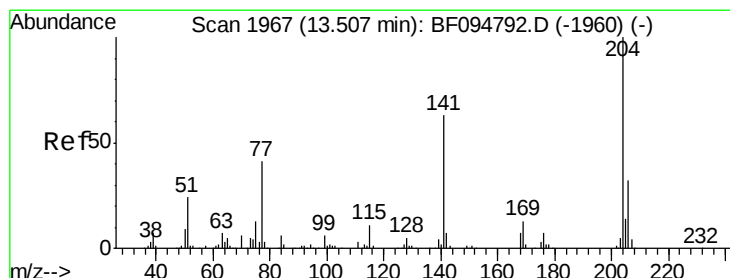
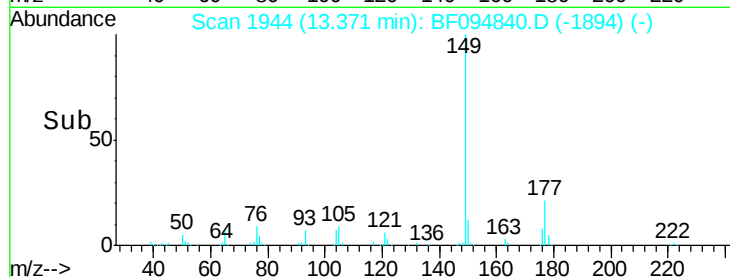
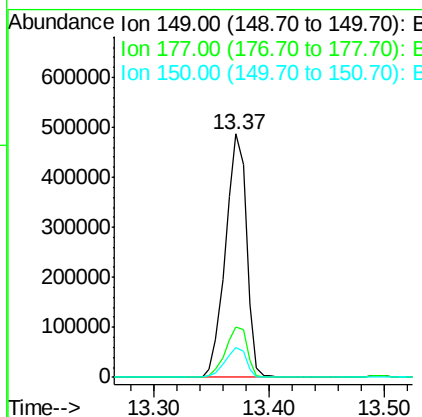
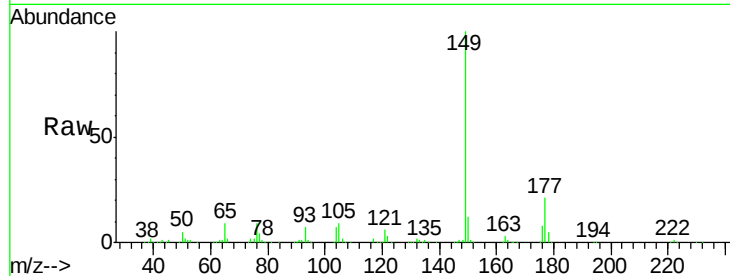
#59
Diethylphthalate
Concen: 40.86 ng
RT: 13.37 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	616119		
177	20.8	16.7	25.1	
150	12.3	10.2	15.2	

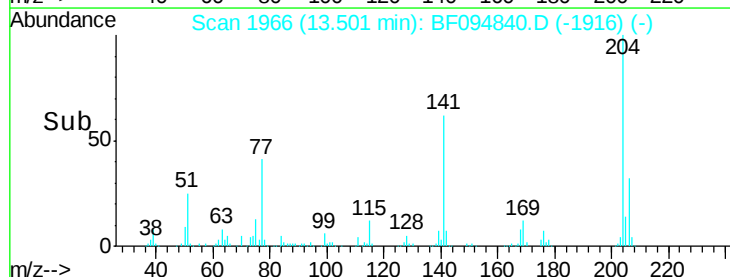
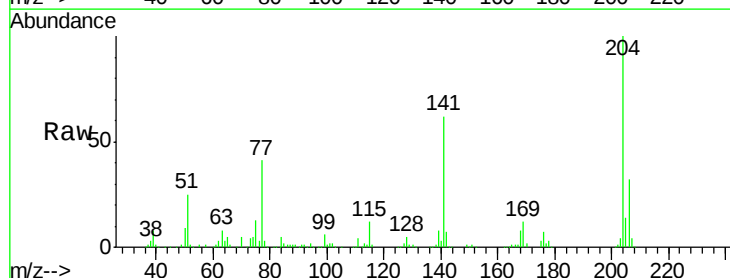
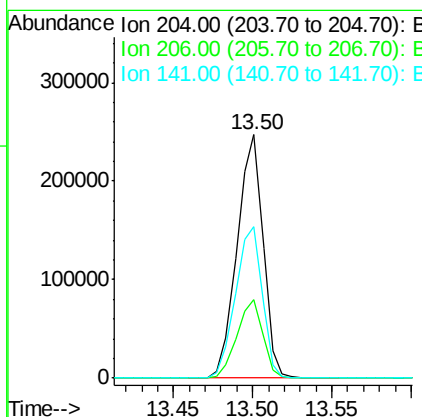
Manual Integrations
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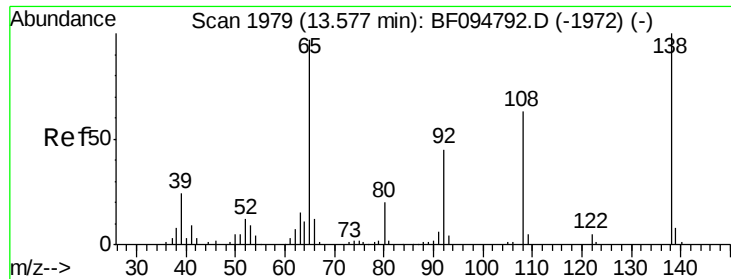
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 43.46 ng
RT: 13.50 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	280098		
206	32.3	26.2	39.2	
141	62.3	60.8	91.2	





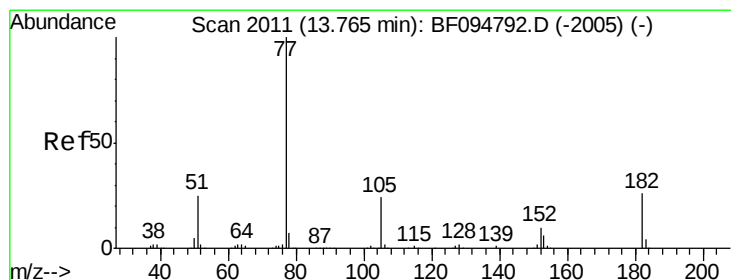
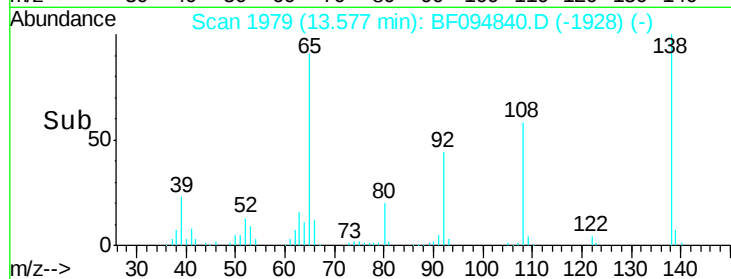
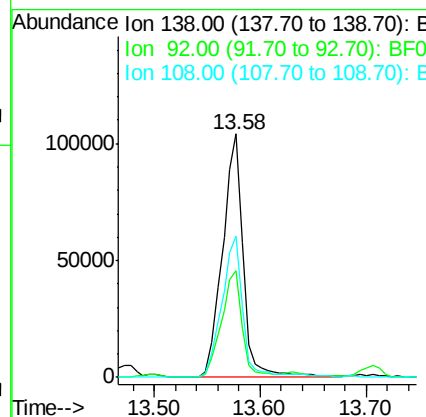
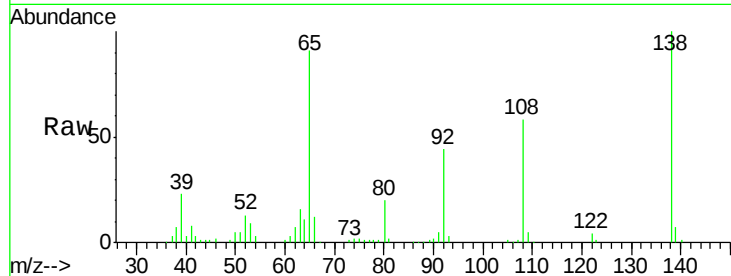
#61
4-Nitroaniline
Concen: 45.49 ng
RT: 13.58 min Scan# 1979
Delta R.T. 0.00 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	143846		
92	43.6	21.8	61.8	
108	58.0	42.3	82.3	

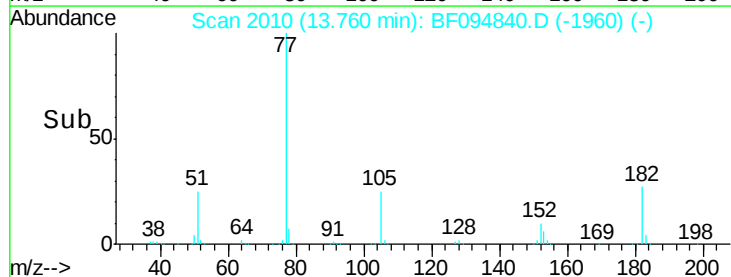
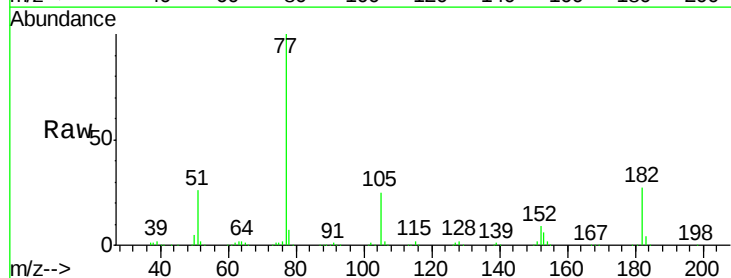
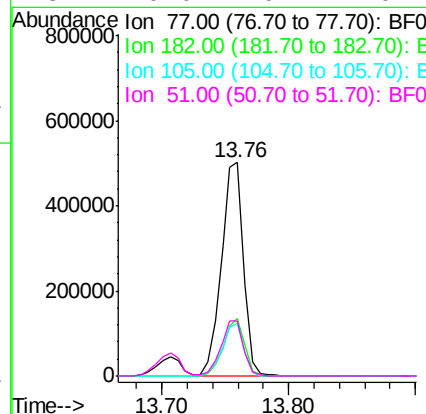
Manual Integrations
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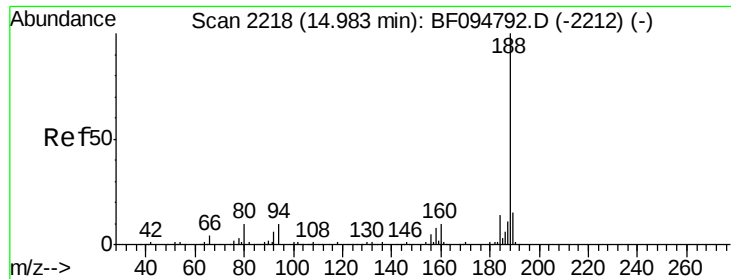
mohammad
5/4/2017 3:34:39 PM



#62
Azobenzene
Concen: 50.33 ng
RT: 13.76 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	609772		
182	27.0	0.1	40.1	
105	24.8	3.6	43.6	
51	26.0	9.4	49.4	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.98 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

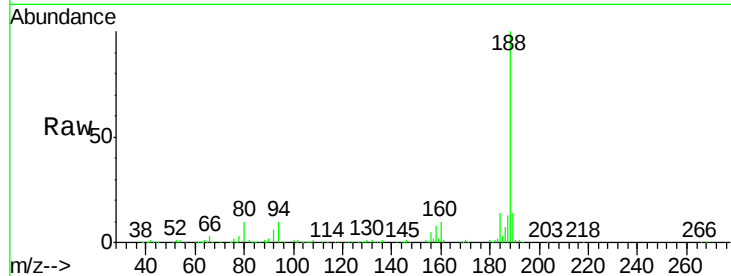
ClientSampleId :

PB98646BS

Tgt Ion:	188	Resp:	352348
Ion Ratio	Lower	Upper	
188	100		
94	9.9	9.4	14.2
80	10.4	10.2	15.2

Manual Integrations
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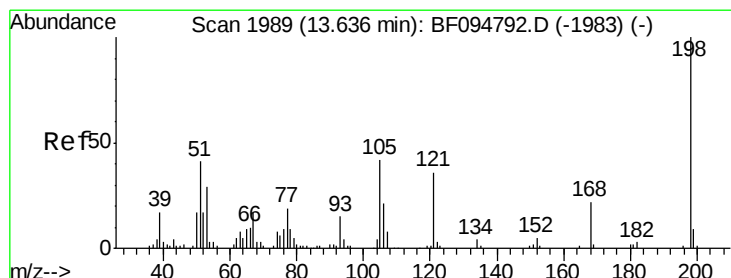
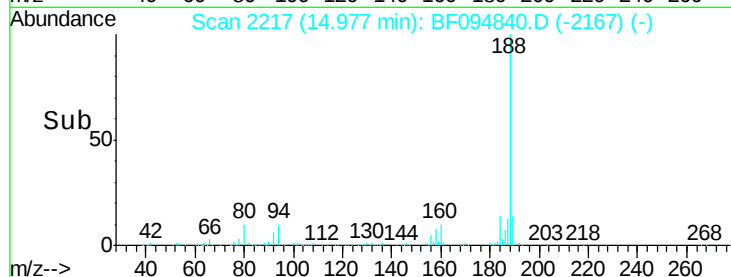
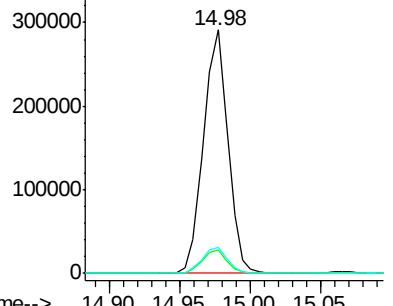
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Abundance Ion 188.00 (187.70 to 188.70): E

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: 40.66 ng

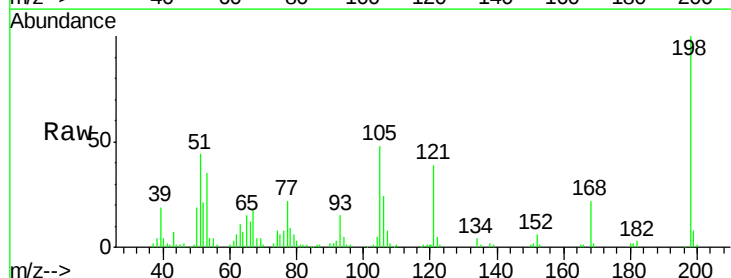
RT: 13.63 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

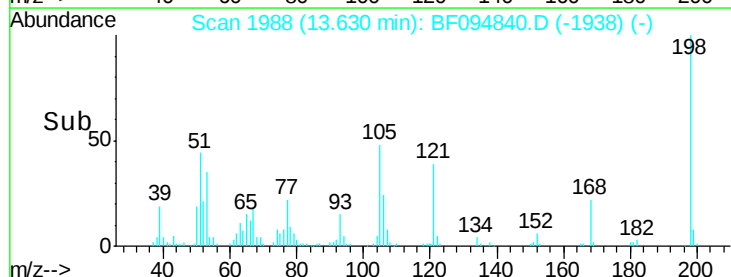
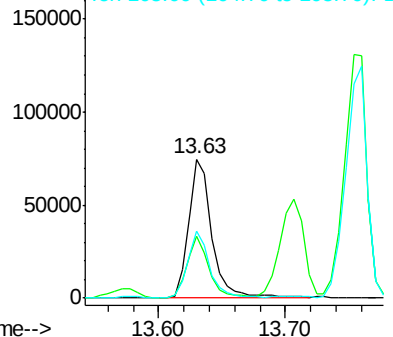
Tgt Ion:	198	Resp:	96044
Ion Ratio	Lower	Upper	
198	100		
51	44.3	53.2	93.2#
105	48.4	45.8	85.8

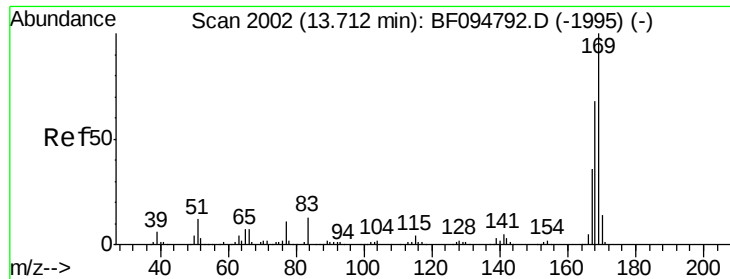


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 44.06 ng

RT: 13.71 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

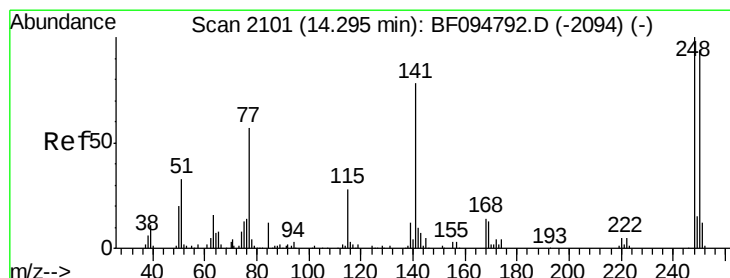
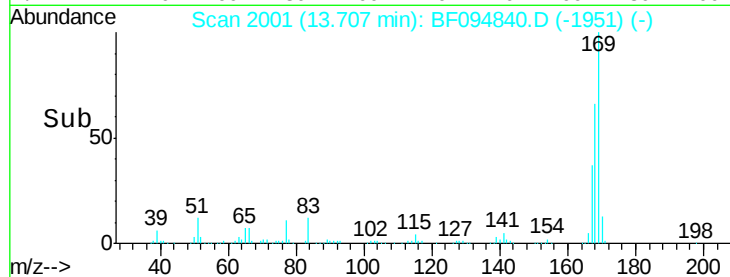
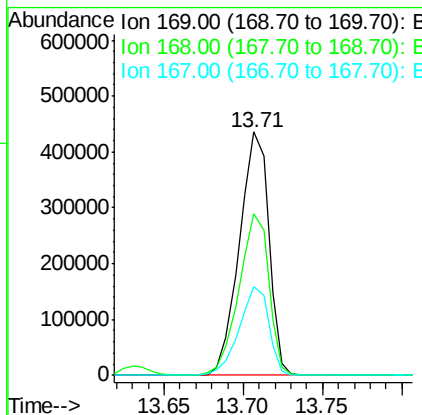
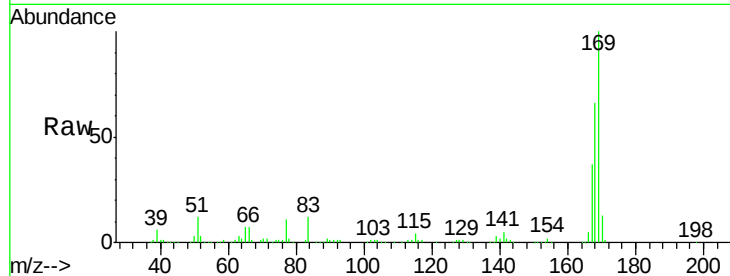
ClientSampleId :

PB98646BS

Tgt Ion:	169	Resp:	563408
Ion Ratio	Lower	Upper	
169	100		
168	66.3	53.2	79.8
167	36.6	29.5	44.3

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#66

4-Bromophenyl-phenylether

Concen: 43.75 ng

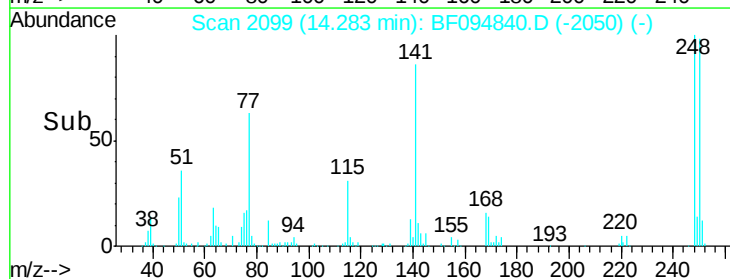
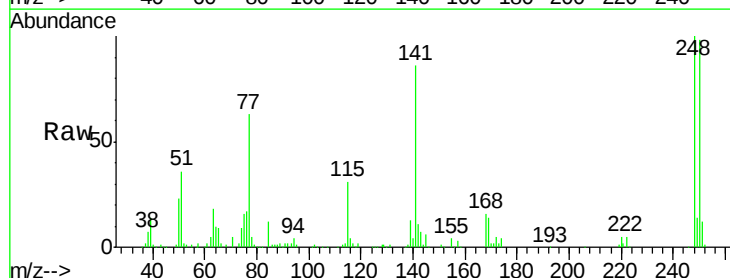
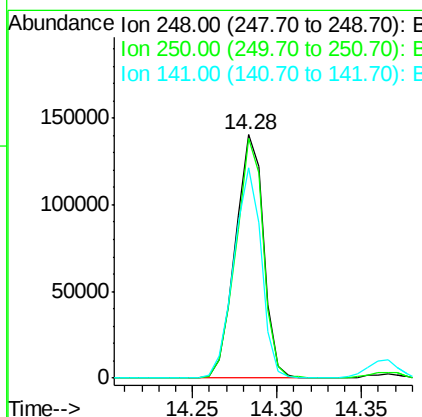
RT: 14.28 min Scan# 2099

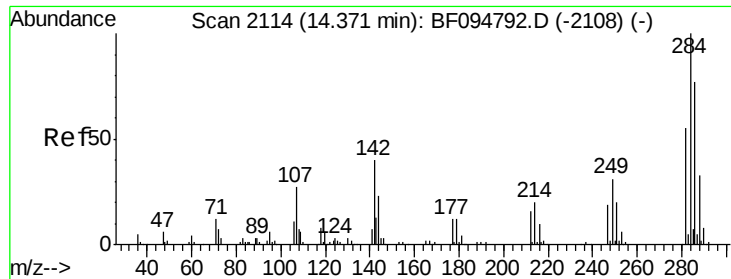
Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Tgt Ion:	248	Resp:	162845
Ion Ratio	Lower	Upper	
248	100		
250	98.5	76.8	115.2
141	86.2	68.6	103.0





#67

Hexachlorobenzene

Concen: 43.23 ng

RT: 14.37 min Scan# 2113

Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

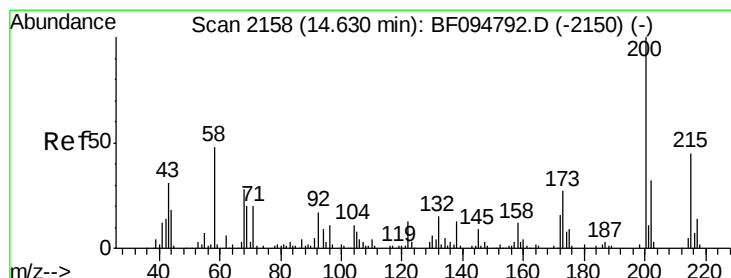
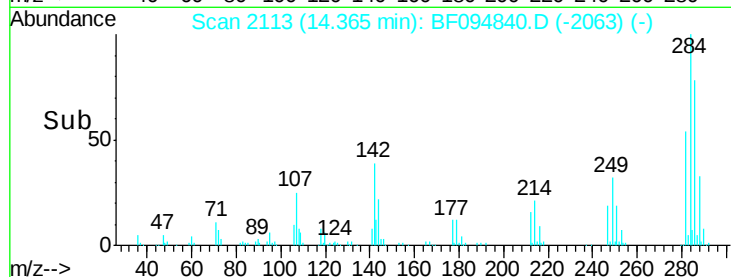
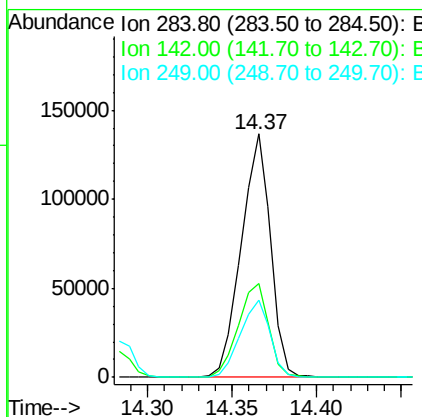
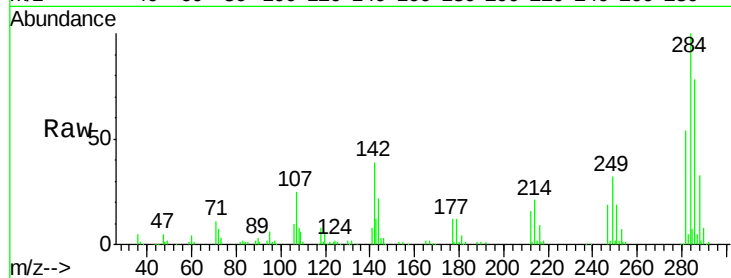
ClientSampleId :

PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	164906		
142	38.8	22.8	34.2	#
249	31.8	24.0	36.0	

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#68

Atrazine

Concen: 43.57 ng

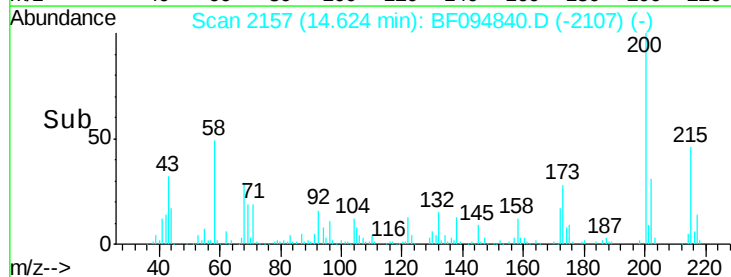
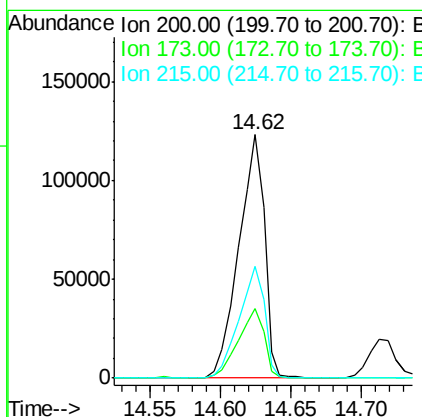
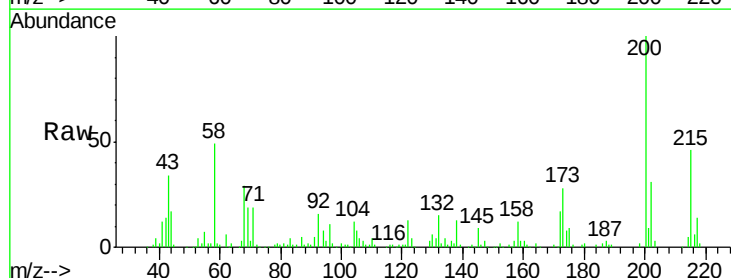
RT: 14.62 min Scan# 2157

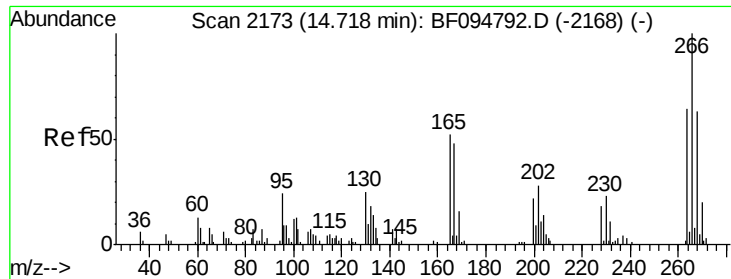
Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	157307		
173	28.4	6.3	46.3	
215	46.0	27.2	67.2	





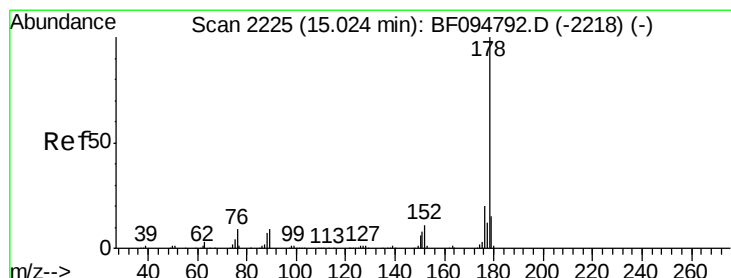
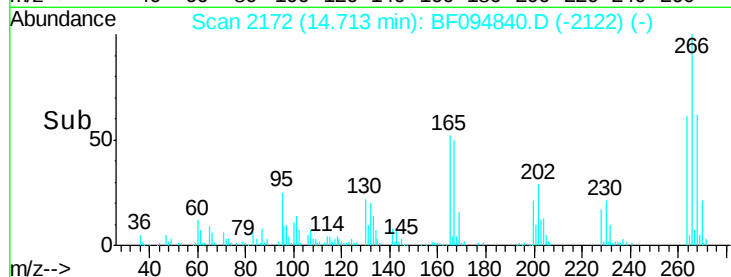
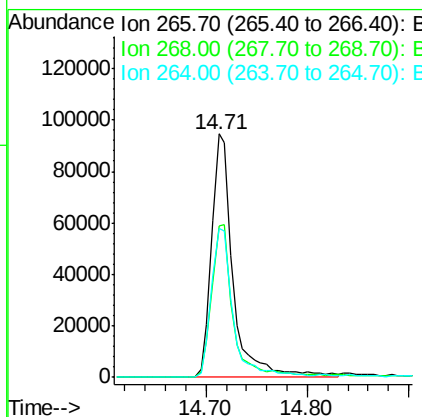
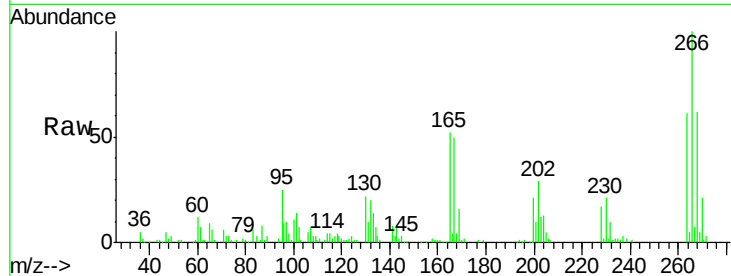
#69
 Pentachlorophenol
 Concen: 81.18 ng
 RT: 14.71 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	140193		
268	62.3	51.1	76.7	
264	61.4	51.7	77.5	

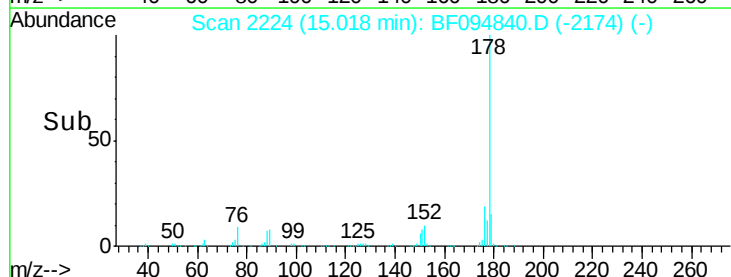
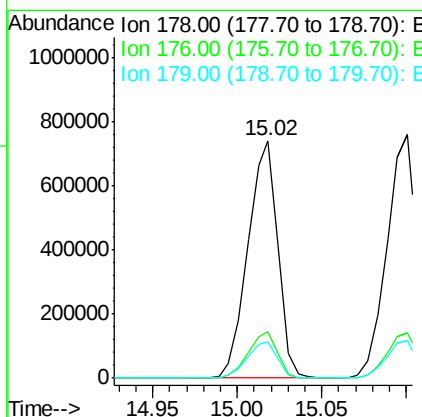
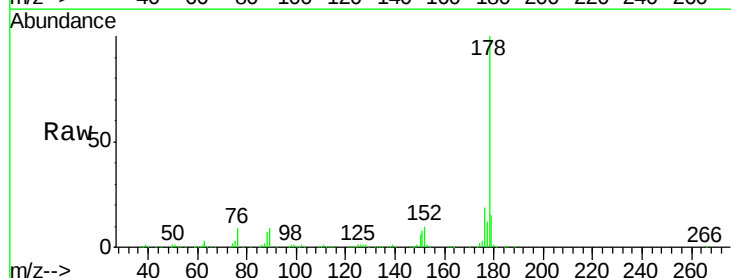
Manual Integrations
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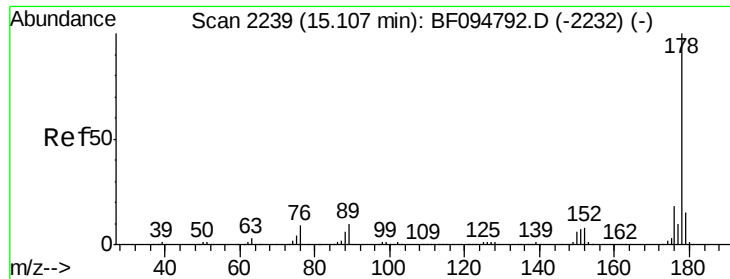
mohammad
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#70
 Phenanthrene
 Concen: 45.04 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	911763		
176	19.3	16.2	24.4	
179	15.4	12.6	19.0	





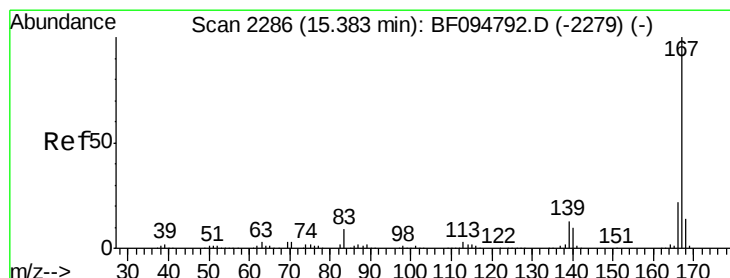
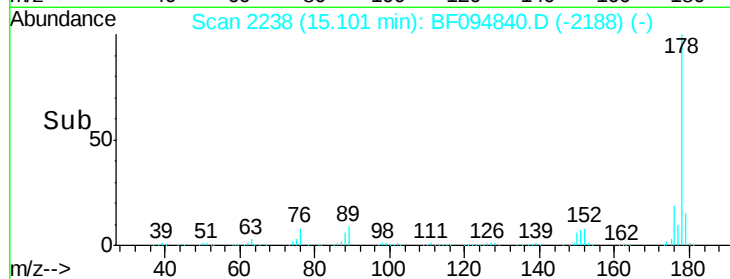
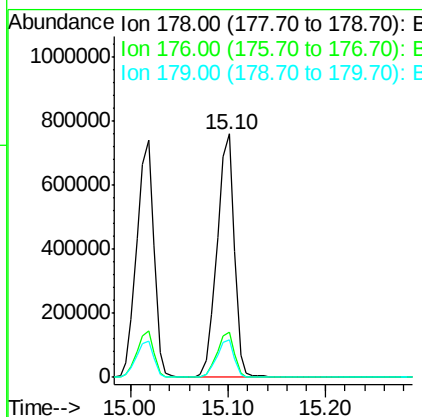
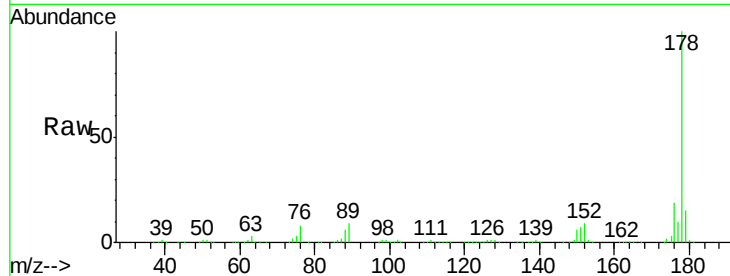
#71
 Anthracene
 Concen: 45.11 ng
 RT: 15.10 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.2	12.7	19.1

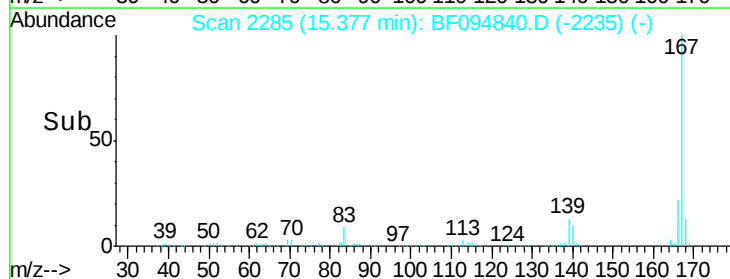
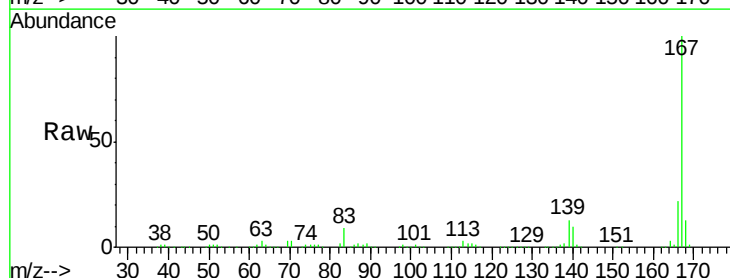
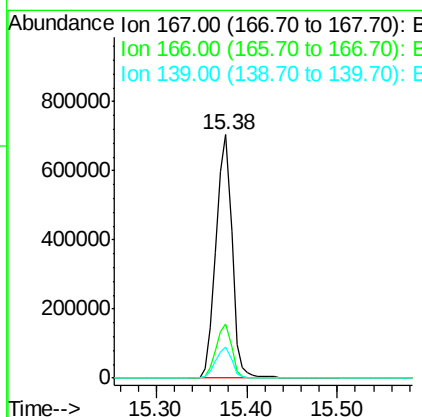
Manual Integrations
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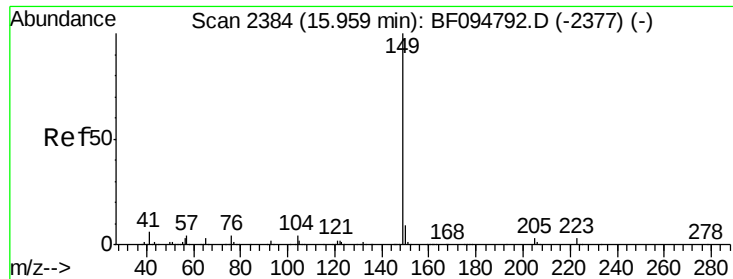
mohammad
 5/4/2017 3:34:39 PM



#72
 Carbazole
 Concen: 45.94 ng
 RT: 15.38 min Scan# 2285
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.1	27.1
139	13.0	11.7	17.5





#73

Di-n-butylphthalate

Concen: 41.28 ng

RT: 15.95 min Scan# 2382

Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

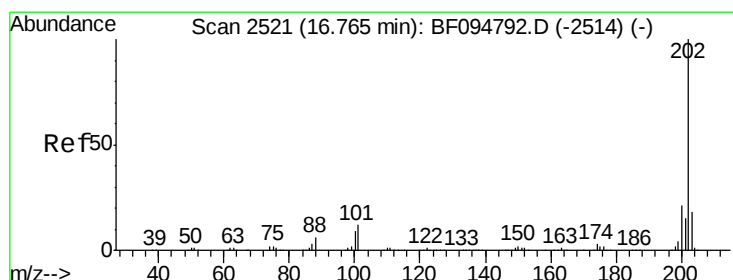
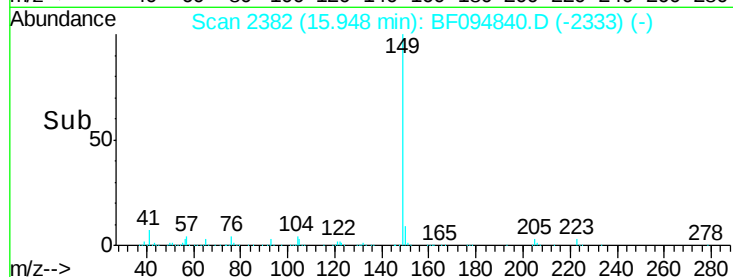
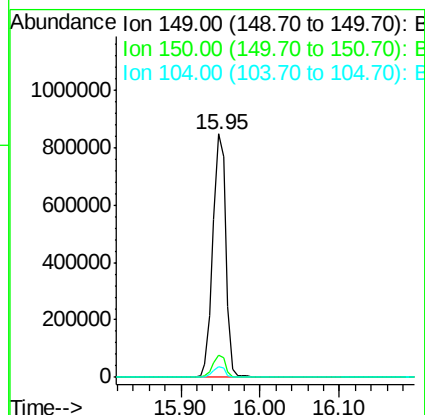
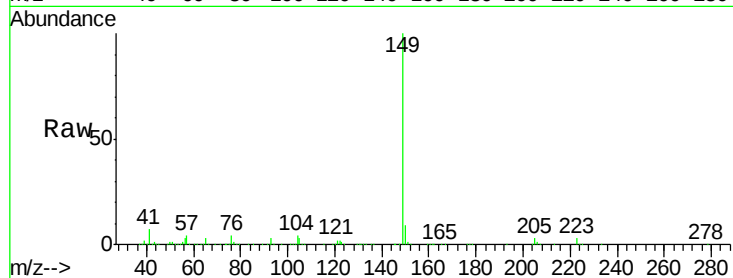
ClientSampleId :

PB98646BS

Tgt Ion:	149	Resp:	968691
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.7	11.5
104	4.3	4.0	6.0

Manual Integrations
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#74

Fluoranthene

Concen: 44.56 ng

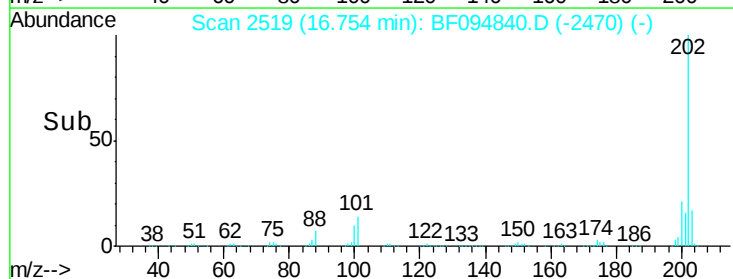
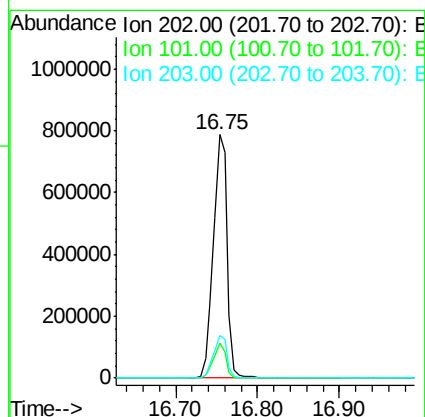
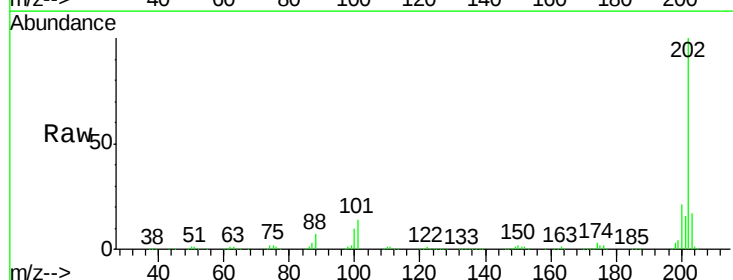
RT: 16.75 min Scan# 2519

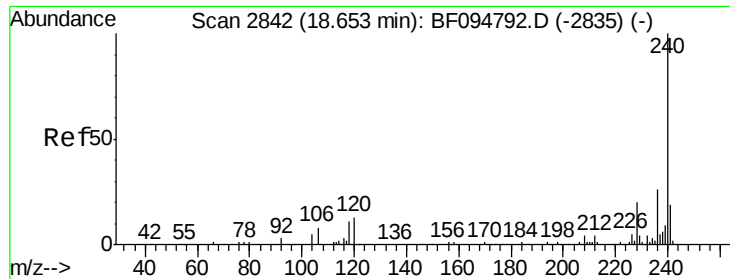
Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Tgt Ion:	202	Resp:	925452
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.65 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

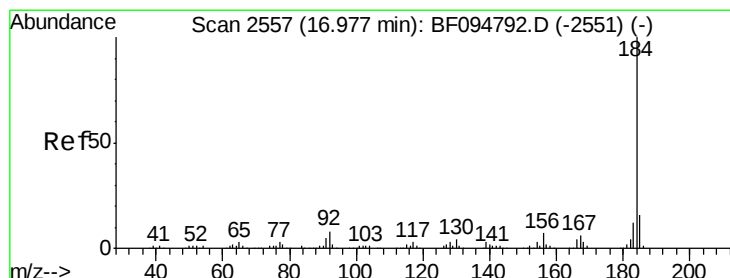
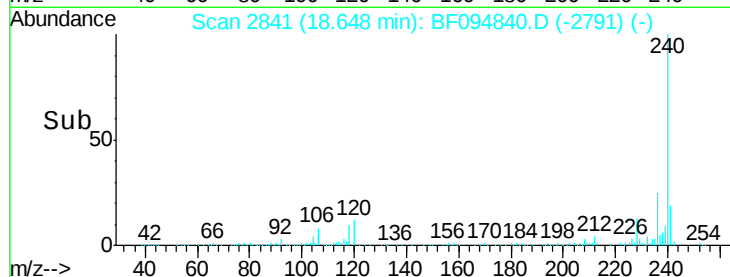
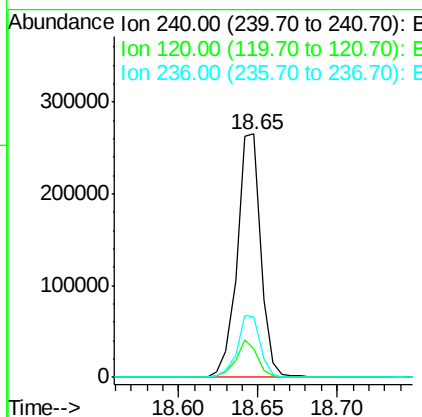
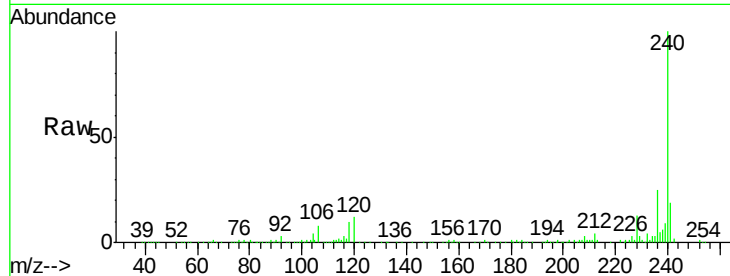
ClientSampleId :

PB98646BS

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.7	5.8	8.8#
236	24.9	20.5	30.7

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#76

Benzidine

Concen: 31.59 ng

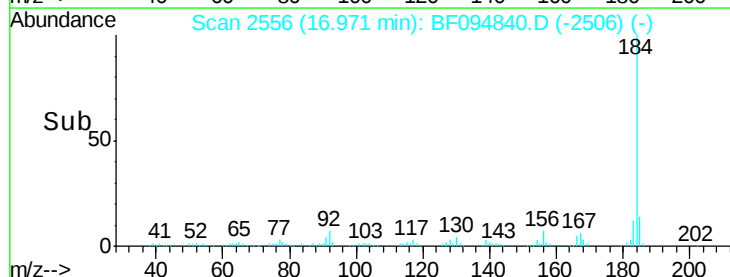
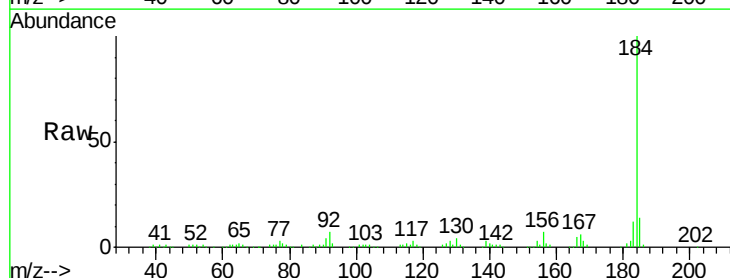
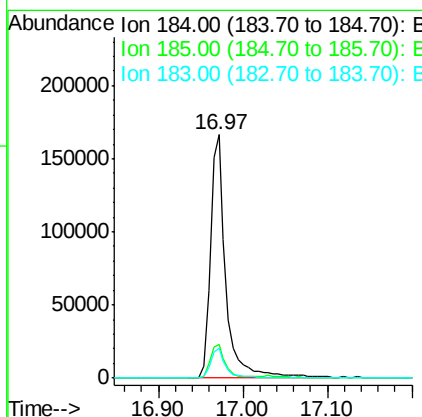
RT: 16.97 min Scan# 2556

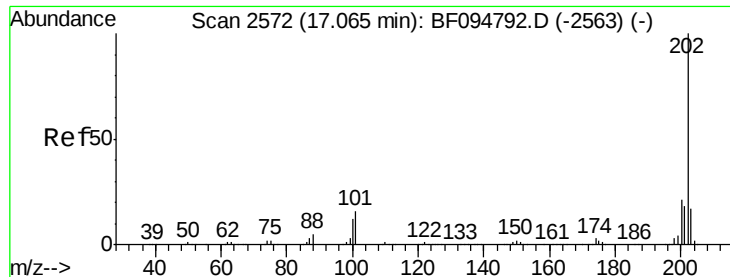
Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.1	15.5	23.3#
183	12.3	9.8	14.6





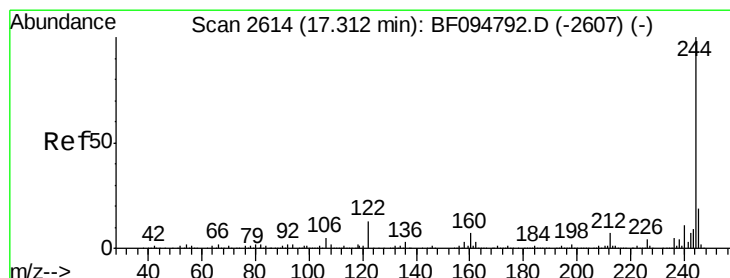
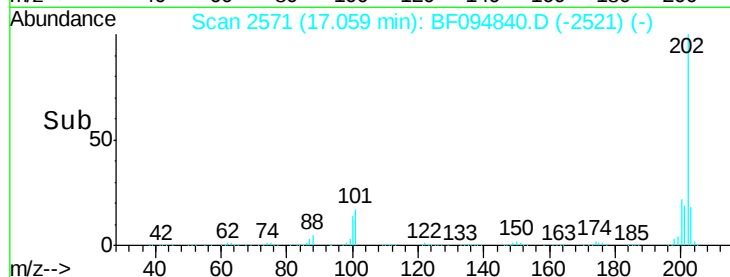
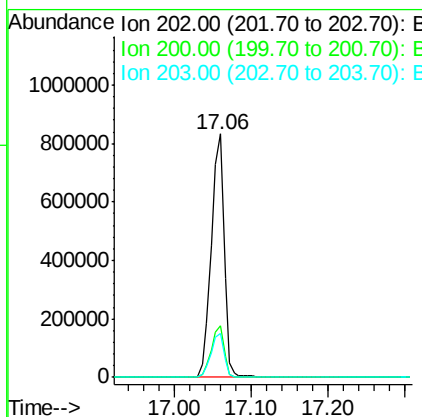
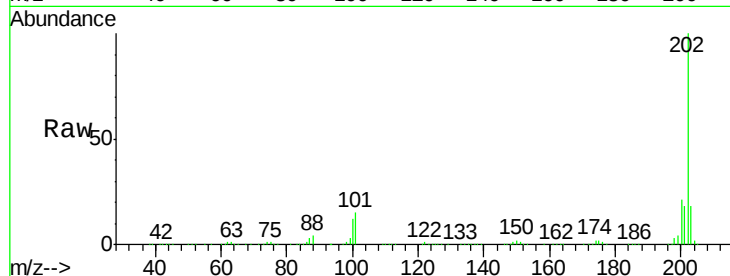
#77
 Pyrene
 Concen: 46.45 ng
 RT: 17.06 min Scan# 2571
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	952606		
200	21.3		17.6	26.4
203	17.8		14.4	21.6

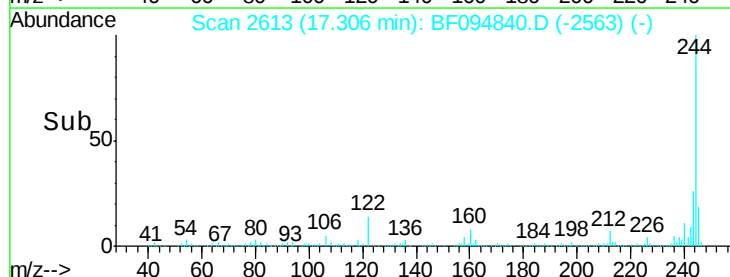
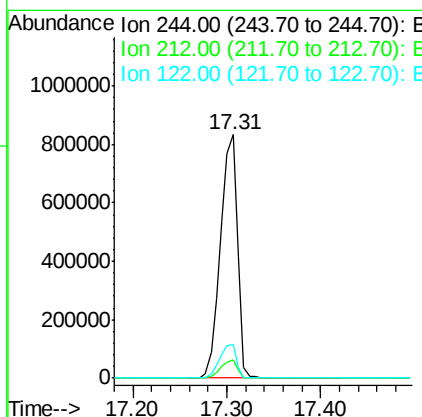
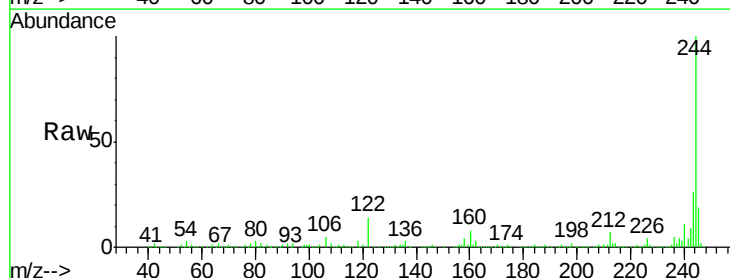
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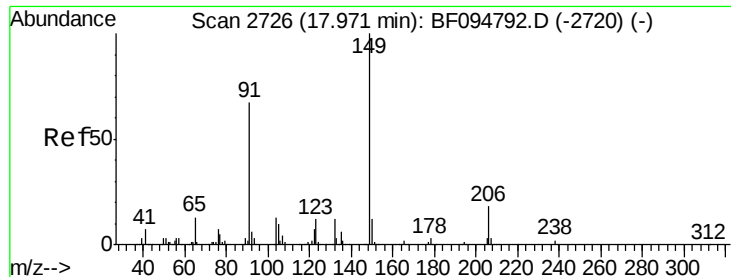
mohammad
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#78
 Terphenyl-d14
 Concen: 85.10 ng
 RT: 17.31 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1059383		
212	7.4		6.0	9.0
122	13.6		10.3	15.5





#79

Butylbenzylphthalate

Concen: 45.53 ng

RT: 17.97 min Scan# 2725

Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Instrument :

BNA_F

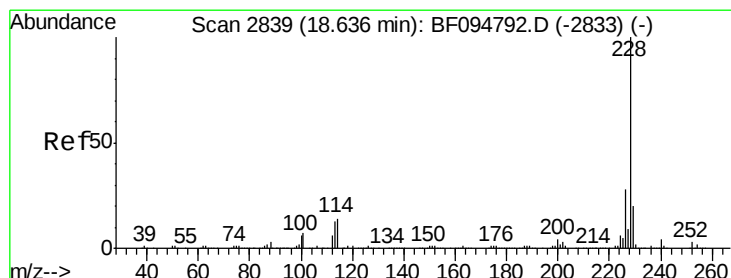
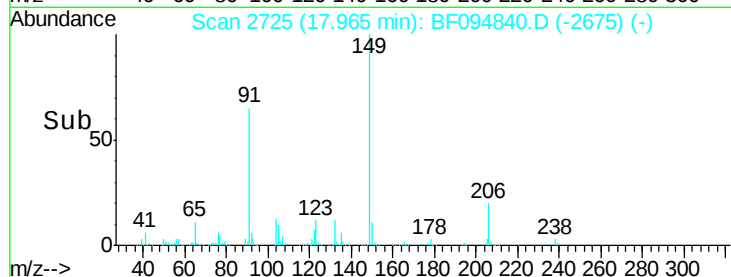
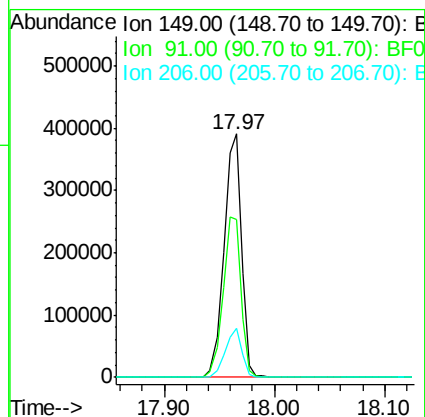
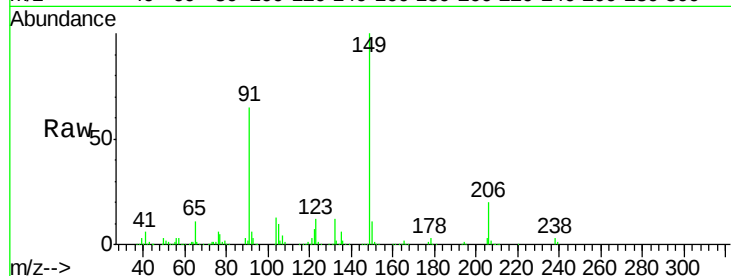
ClientSampled :

PB98646BS

Tgt Ion:	149	Resp:	434293
Ion Ratio	Lower	Upper	
149	100		
91	65.1	45.0	67.4
206	20.1	17.0	25.6

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 46.10 ng

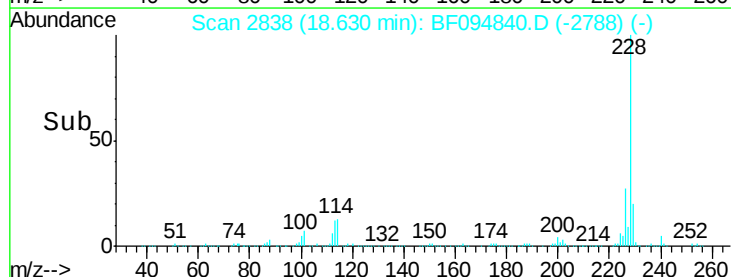
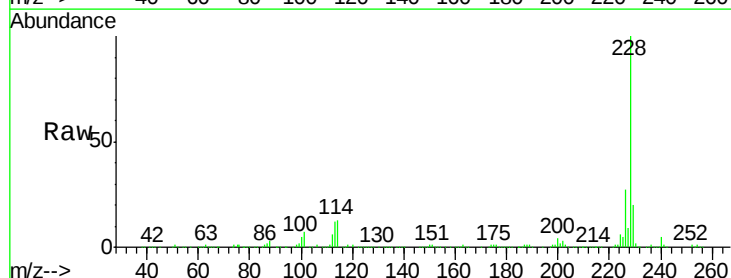
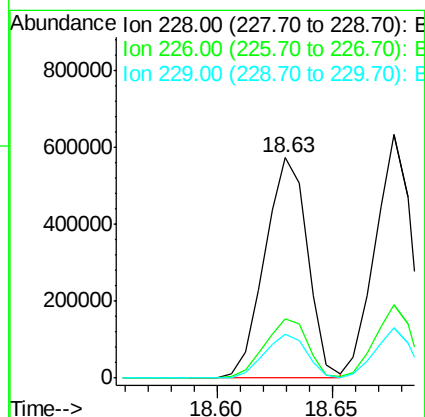
RT: 18.63 min Scan# 2838

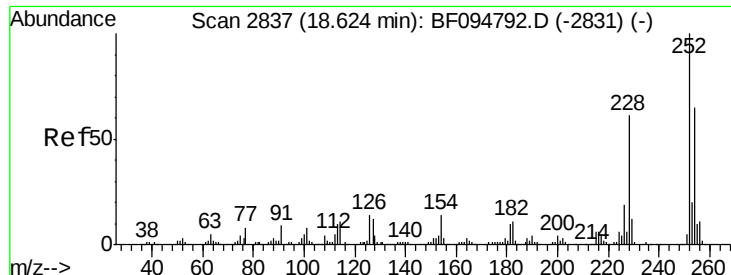
Delta R.T. -0.01 min

Lab File: BF094840.D

Acq: 3 May 2017 18:27

Tgt Ion:	228	Resp:	735615
Ion Ratio	Lower	Upper	
228	100		
226	26.8	22.6	33.8
229	19.9	16.3	24.5





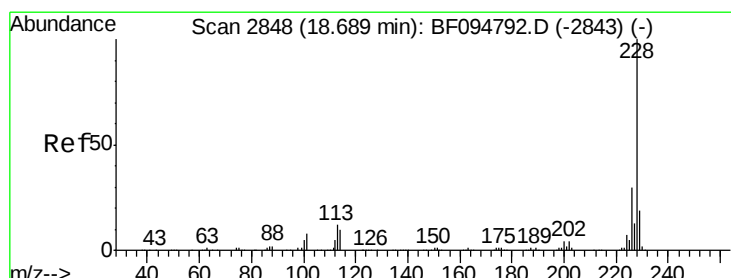
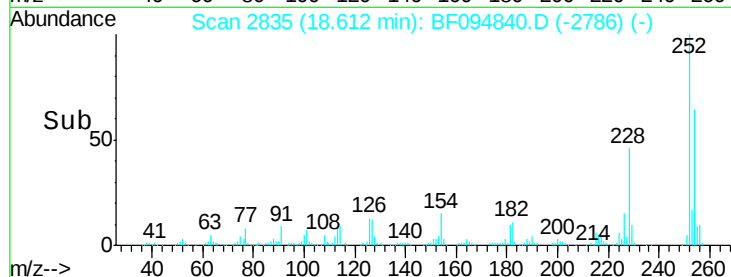
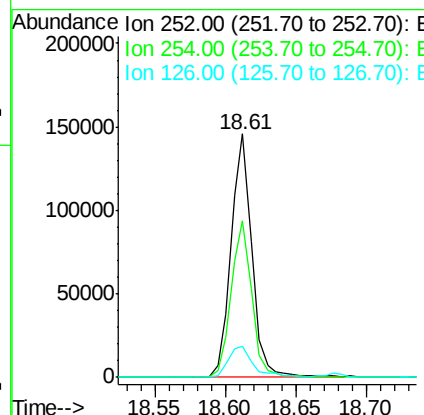
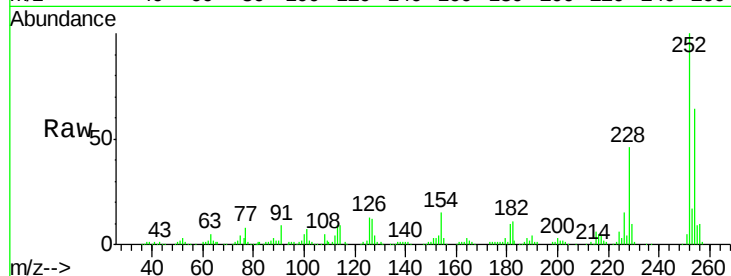
#81
 3,3'-Dichlorobenzidine
 Concen: 27.18 ng
 RT: 18.61 min Scan# 2835
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.4	51.5	77.3
126	13.0	15.8	23.8

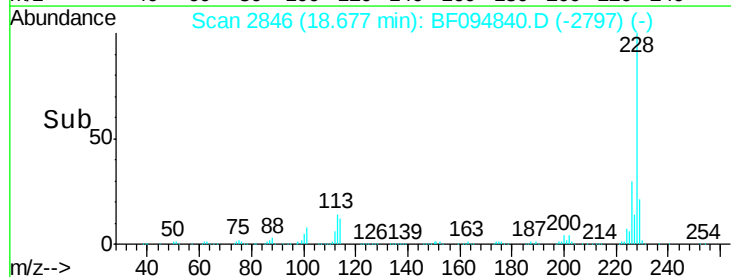
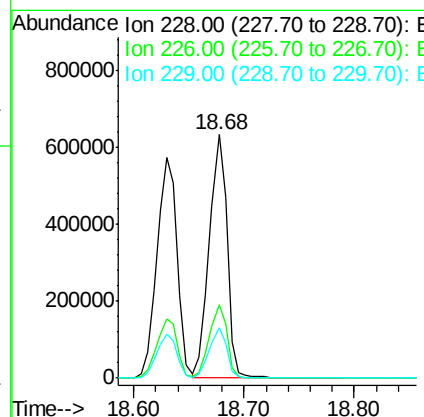
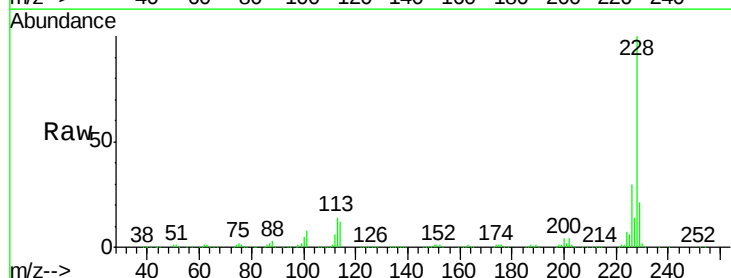
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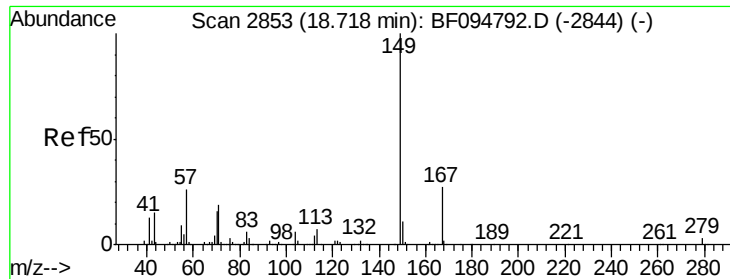
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#82
 Chrysene
 Concen: 44.63 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.2	24.9	37.3
229	20.6	15.8	23.6





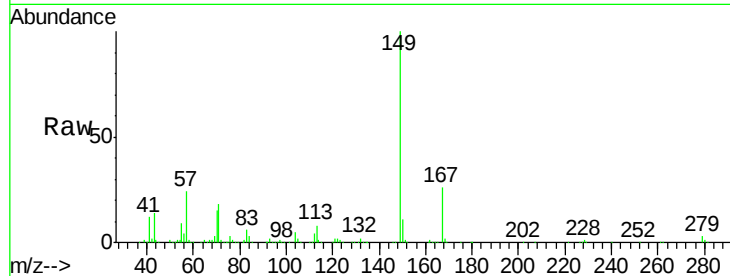
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.04 ng
 RT: 18.71 min Scan# 2852
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

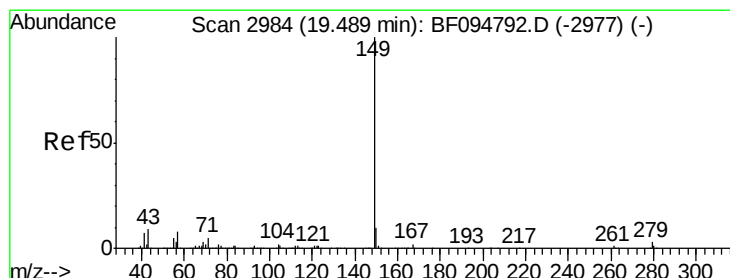
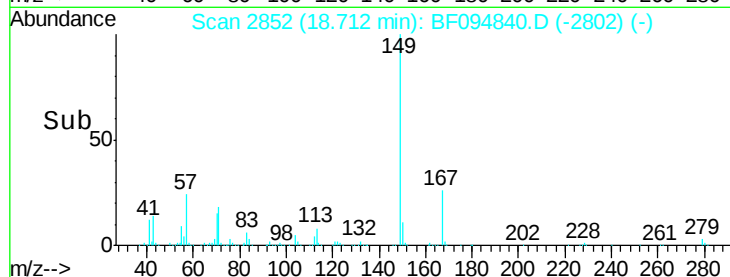
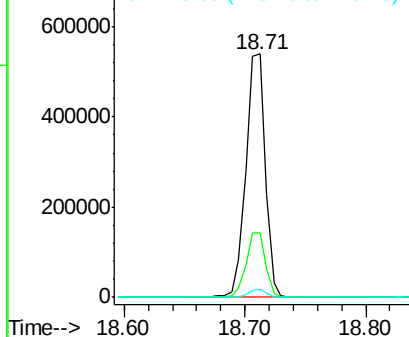
Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.0	31.4
279	3.5	1.9	2.9

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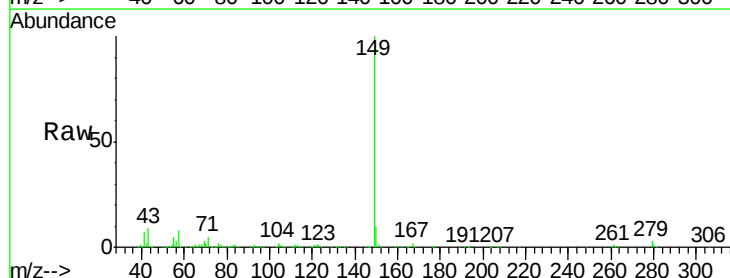


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

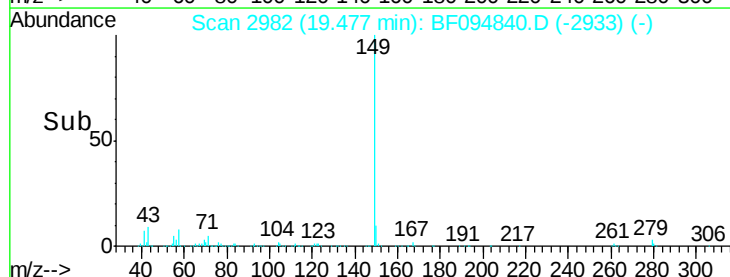
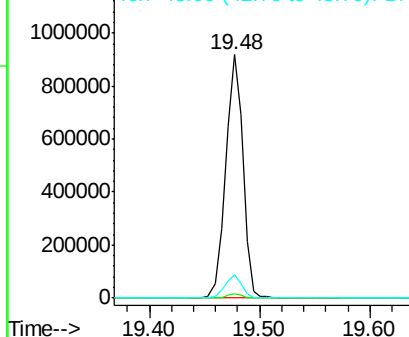


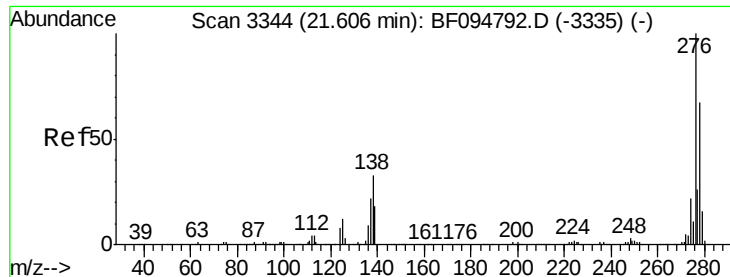
#84
 Di-n-octyl phthalate
 Concen: 45.17 ng
 RT: 19.48 min Scan# 2982
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.9	8.5	12.7



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





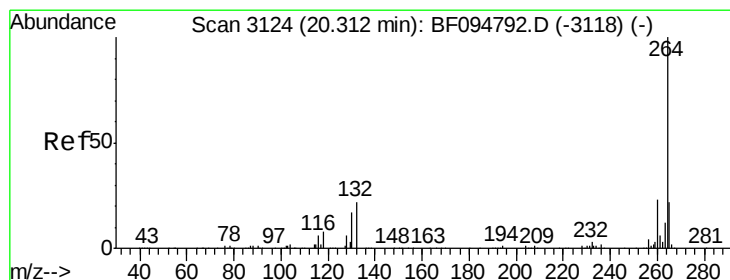
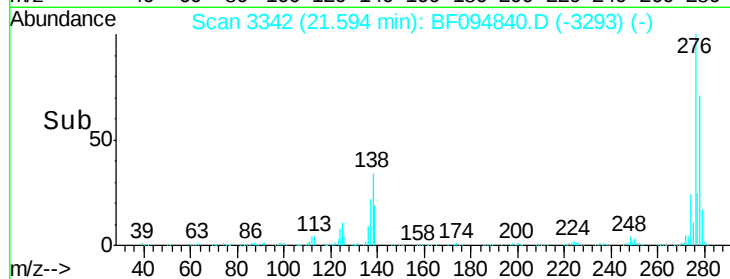
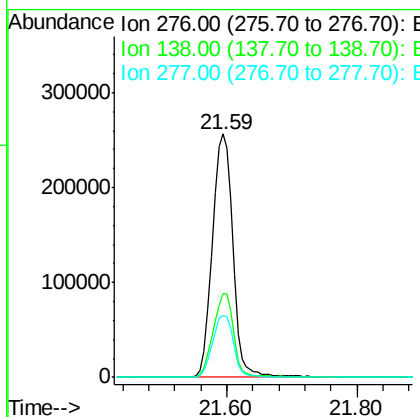
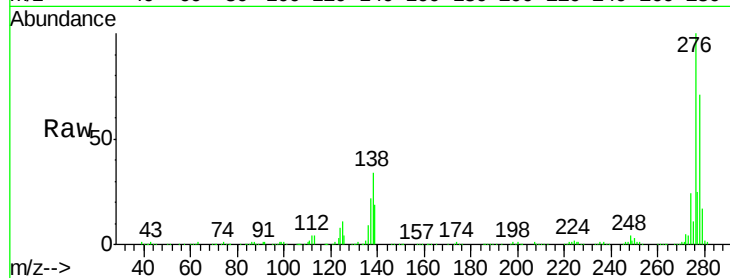
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.91 ng
 RT: 21.59 min Scan# 3342
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion:	276	Resp:	562801
Ion Ratio	Lower	Upper	
276	100		
138	34.1	27.8	41.6
277	25.9	20.2	30.4

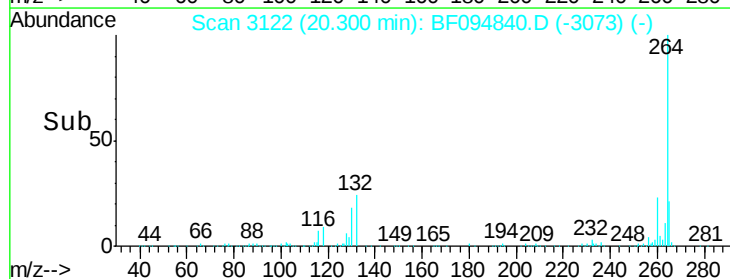
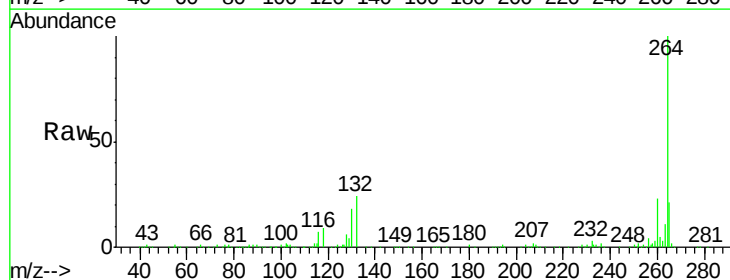
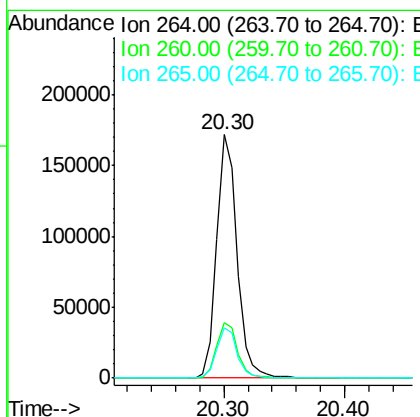
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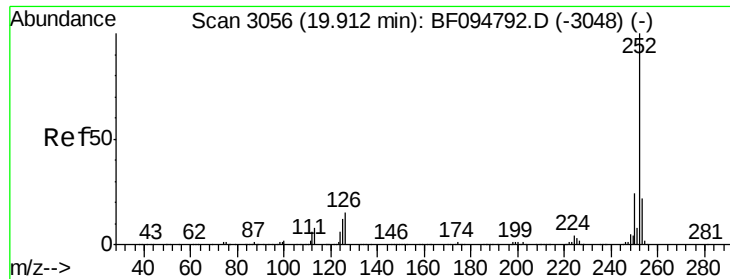
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Tgt Ion:	264	Resp:	199494
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.5	29.3
265	20.9	17.2	25.8





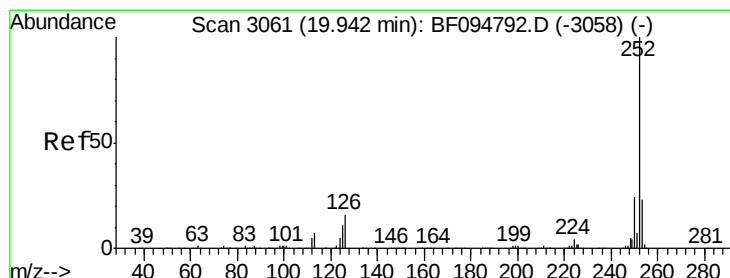
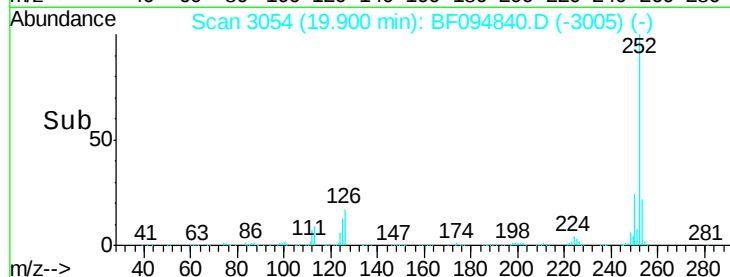
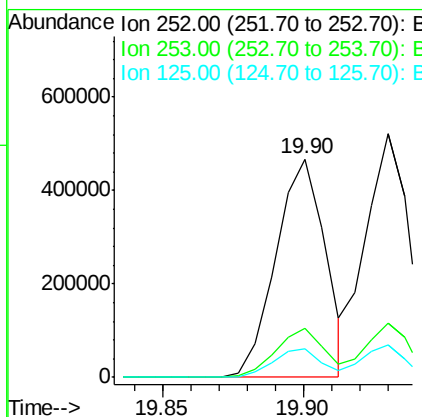
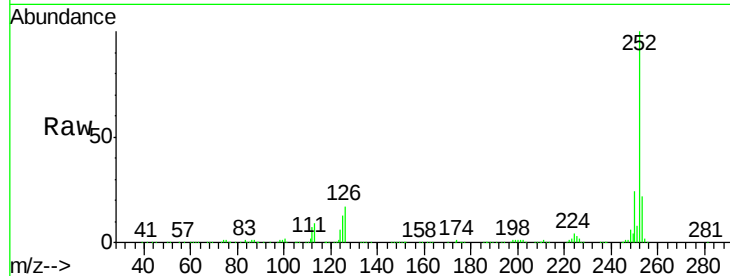
#87
Benzo(b)fluoranthene
Concen: 46.06 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	13.4	9.8	14.8

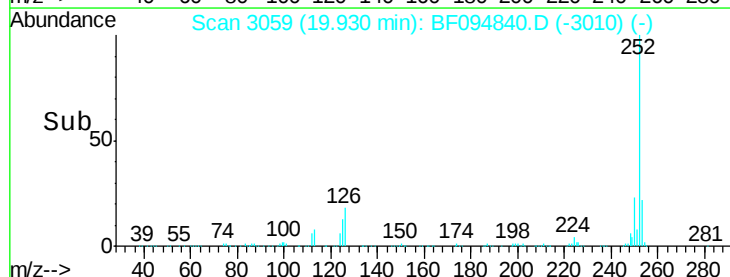
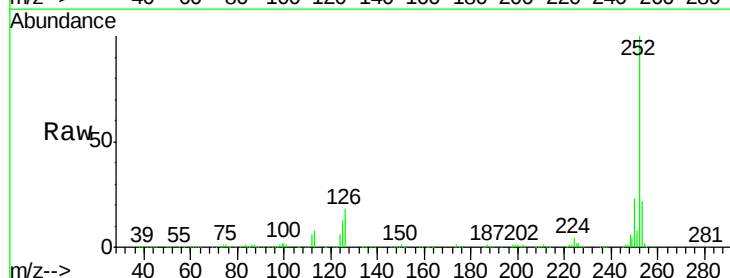
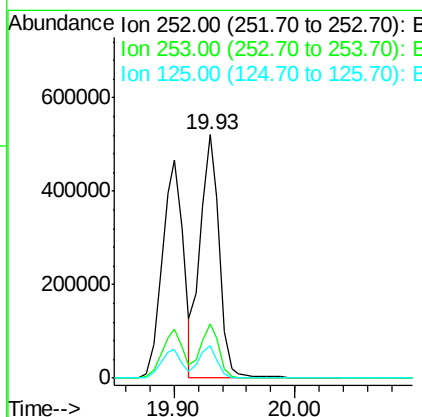
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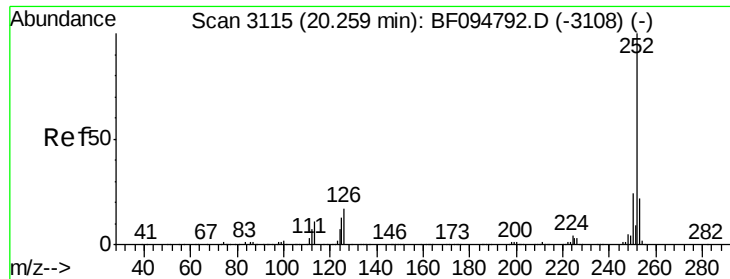
mohammad
5/4/2017 3:34:39 PM



#88
Benzo(k)fluoranthene
Concen: 47.91 ng
RT: 19.93 min Scan# 3059
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	13.4	13.1	19.7





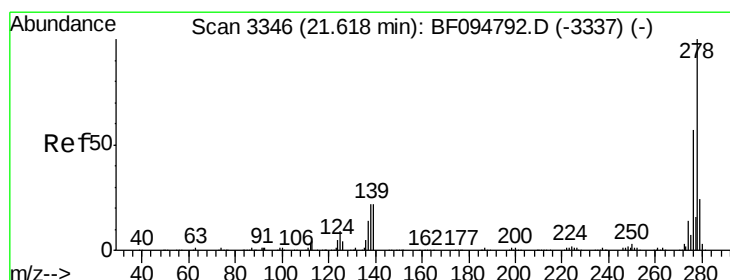
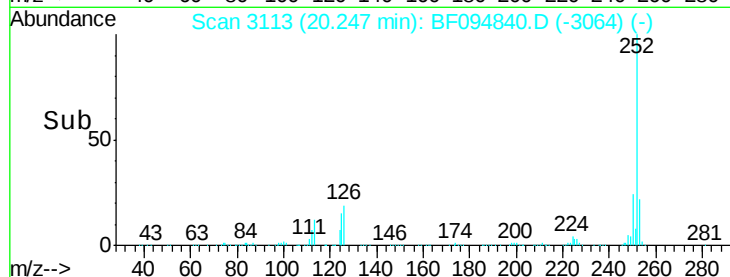
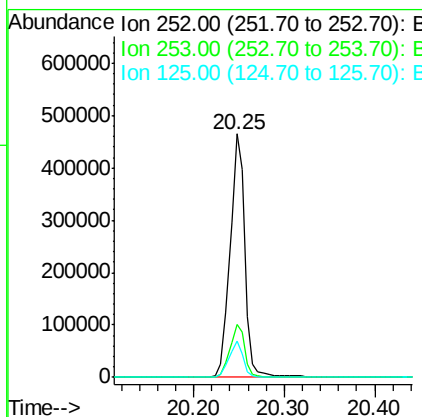
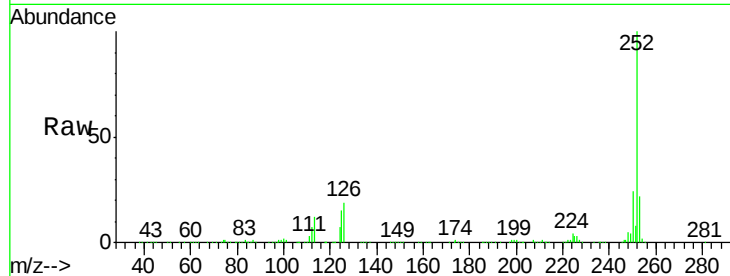
#89
Benzo(a)pyrene
Concen: 46.60 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Instrument :
BNA_F
ClientSampleId :
PB98646BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	15.0	11.0	16.4

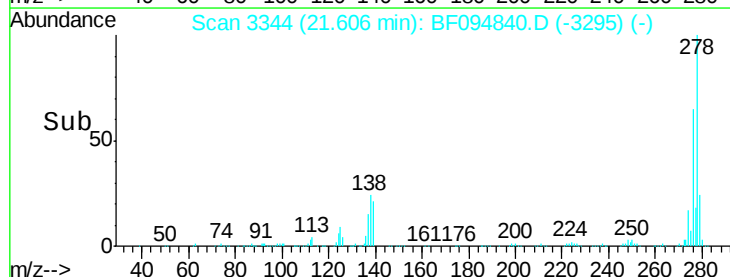
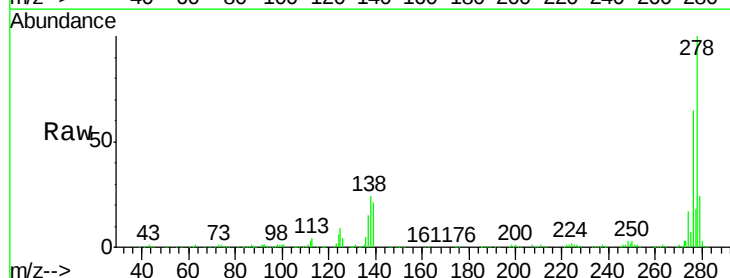
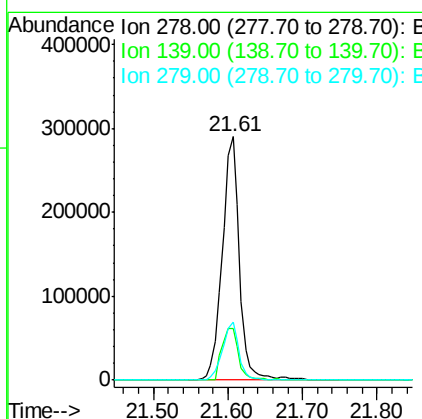
Manual Integrations
APPROVED

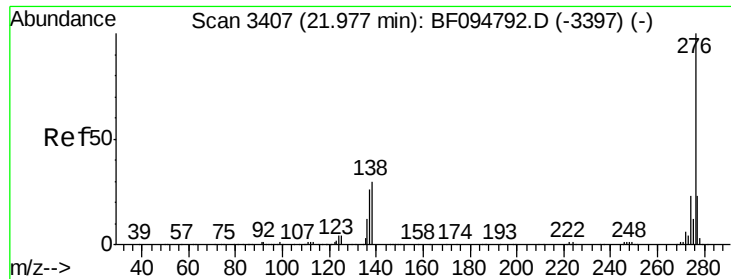
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 49.73 ng
RT: 21.61 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BF094840.D
Acq: 3 May 2017 18:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	16.6	24.8
279	23.9	19.3	28.9





#91
 Benzo(g,h,i)perylene
 Concen: 50.43 ng
 RT: 21.97 min Scan# 3405
 Delta R.T. -0.01 min
 Lab File: BF094840.D
 Acq: 3 May 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 PB98646BS

Tgt Ion:	276	Resp:	464877
Ion Ratio		Lower	Upper
276	100		
277	23.5	18.6	28.0
138	29.6	25.4	38.0

Manual Integrations
 APPROVED

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