

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031817\
 Data File : BF093735.D
 Acq On : 18 Mar 2017 6:26
 Operator : SJ/MA
 Sample : PB97674BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BS

Manual Integrations
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 3/20/2017 12:58:23 PM

Quant Time: Mar 18 06:55:48 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 05:21:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	203073	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	825007	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	388214	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	672558	20.00	ng	0.00
75) Chrysene-d12	14.00	240	435357	20.00	ng	0.00
86) Perylene-d12	15.41	264	437674	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1660339	136.31	ng	0.02
7) Phenol-d6	6.48	99	1928250	127.73	ng	0.00
23) Nitrobenzene-d5	7.41	82	1260638	91.71	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	400333	157.57	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	2005000	97.46	ng	0.00
78) Terphenyl-d14	12.95	244	1615463	79.87	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.54	88	245689	39.06	ng	99
3) Pyridine	3.25	79	726405	42.23	ng	100
4) n-Nitrosodimethylamine	3.19	42	337786	44.87	ng	96
6) Aniline	6.50	93	408738	18.94	ng	# 84
8) 2-Chlorophenol	6.63	128	592476	43.75	ng	94
9) Benzaldehyde	6.39	77	285848	32.71	ng	99
10) Phenol	6.49	94	616377	34.92	ng	96
11) bis(2-Chloroethyl)ether	6.58	93	555751	39.95	ng	98
12) 1,3-Dichlorobenzene	6.79	146	664498	44.29	ng	99
13) 1,4-Dichlorobenzene	6.87	146	677776	44.11	ng	99
14) 1,2-Dichlorobenzene	7.02	146	581783	40.49	ng	99
15) Benzyl Alcohol	6.98	79	541408	47.91	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	879476	40.10	ng	100
17) 2-Methylphenol	7.11	107	562372	47.97	ng	96
18) Hexachloroethane	7.36	117	236238	43.28	ng	# 75
19) n-Nitroso-di-n-propylamine	7.27	70	436873	43.58	ng	100
20) 3+4-Methylphenols	7.26	107	569020	40.94	ng	98
22) Acetophenone	7.26	105	774946	42.16	ng	# 99
24) Nitrobenzene	7.43	77	681601	45.87	ng	97
25) Isophorone	7.67	82	1196061	45.20	ng	98
26) 2-Nitrophenol	7.75	139	332689	59.13	ng	99
27) 2,4-Dimethylphenol	7.80	122	627173	48.71	ng	94
28) bis(2-Chloroethoxy)methane	7.89	93	773367	46.31	ng	100
29) 2,4-Dichlorophenol	7.99	162	542456	49.04	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	536937	46.57	ng	98
31) Naphthalene	8.15	128	1727899	42.96	ng	99
32) Benzoic acid	7.92	122	403505	50.47	ng	94
33) 4-Chloroaniline	8.20	127	146909	8.72	ng	97
34) Hexachlorobutadiene	8.29	225	270126	44.73	ng	99
35) Caprolactam	8.57	113	196346m	52.88	ng	
36) 4-Chloro-3-methylphenol	8.69	107	581915	49.96	ng	88
37) 2-Methylnaphthalene	8.85	142	1200628	46.09	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	452638	49.80	ng	99
40) Hexachlorocyclopentadiene	9.01	237	441208	97.15	ng	99

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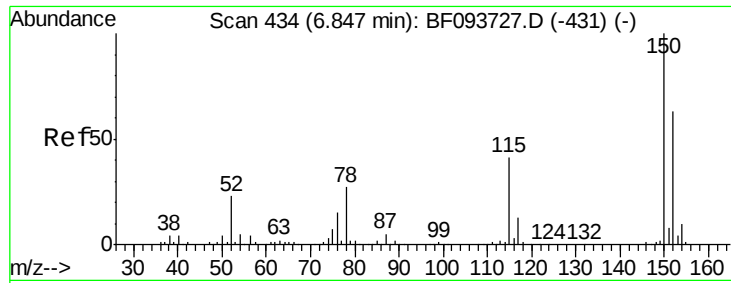
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.12	196	374569	55.88	ng	97
43) 2,4,5-Trichlorophenol	9.17	196	347065	50.22	ng #	85
45) 1,1'-Biphenyl	9.32	154	1424698	52.34	ng	98
46) 2-Chloronaphthalene	9.34	162	1099487	50.34	ng	100
47) 2-Nitroaniline	9.42	65	308651	48.84	ng	99
48) Acenaphthylene	9.75	152	1790703	50.27	ng	100
49) Dimethylphthalate	9.61	163	1202105	47.41	ng	100
50) 2,6-Dinitrotoluene	9.67	165	314680	57.45	ng	96
51) Acenaphthene	9.92	154	1171194	55.79	ng	99
52) 3-Nitroaniline	9.83	138	119412	18.38	ng	92
53) 2,4-Dinitrophenol	9.94	184	257052	97.47	ng #	49
54) Dibenzofuran	10.09	168	1507176	52.82	ng	98
55) 4-Nitrophenol	10.00	139	598296	122.04	ng	86
56) 2,4-Dinitrotoluene	10.07	165	359416	49.30	ng #	72
57) Fluorene	10.44	166	1126832	48.68	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.21	232	268539	56.51	ng	98
59) Diethylphthalate	10.32	149	1271420	52.68	ng	96
60) 4-Chlorophenyl-phenylether	10.42	204	443084	45.43	ng	99
61) 4-Nitroaniline	10.45	138	285363	47.19	ng	90
62) Azobenzene	10.58	77	1323497	54.27	ng	99
64) 4,6-Dinitro-2-methylphenol	10.48	198	187037	51.77	ng #	46
65) n-Nitrosodiphenylamine	10.55	169	1095073	48.23	ng	99
66) 4-Bromophenyl-phenylether	10.92	248	299256	47.07	ng	99
67) Hexachlorobenzene	10.98	284	321374	48.36	ng	96
68) Atrazine	11.08	200	350844	53.66	ng	96
69) Pentachlorophenol	11.17	266	362846	95.31	ng	99
70) Phenanthrene	11.38	178	1651112	43.42	ng	100
71) Anthracene	11.44	178	1645605	44.23	ng	100
72) Carbazole	11.59	167	1497622	38.45	ng	100
73) Di-n-butylphthalate	11.93	149	1763504	44.29	ng	100
74) Fluoranthene	12.57	202	1673089	45.40	ng	100
76) Benzidine	12.69	184	651206	38.28	ng	96
77) Pyrene	12.80	202	1755952	47.43	ng	100
79) Butylbenzylphthalate	13.43	149	862454	54.83	ng	94
80) Benzo(a)anthracene	13.98	228	1324249	47.39	ng	99
81) 3,3'-Dichlorobenzidine	13.95	252	206328	21.05	ng	97
82) Chrysene	14.03	228	1315911	48.73	ng	99
83) Bis(2-ethylhexyl)phthalate	13.99	149	883054	51.06	ng	100
84) Di-n-octyl phthalate	14.60	149	1814857	56.92	ng	99
85) Indeno(1,2,3-cd)pyrene	16.78	276	1167638	51.05	ng	99
87) Benzo(b)fluoranthene	15.01	252	1212868	43.72	ng	99
88) Benzo(k)fluoranthene	15.04	252	1180342m	48.14	ng	
89) Benzo(a)pyrene	15.35	252	1123782	45.83	ng	98
90) Dibenzo(a,h)anthracene	16.80	278	976812	47.09	ng	97
91) Benzo(g,h,i)perylene	17.20	276	983448	46.62	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 434

Delta R.T. -0.00 min

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BNA_F

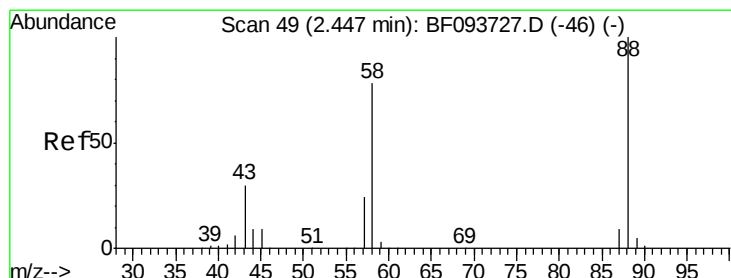
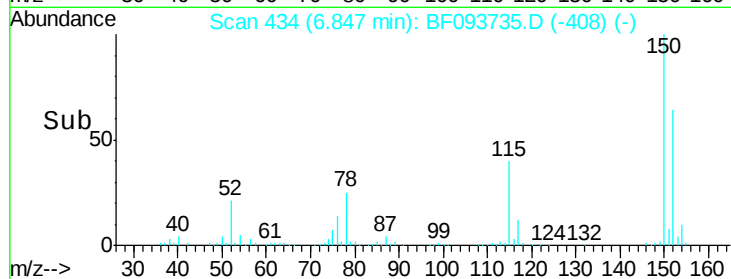
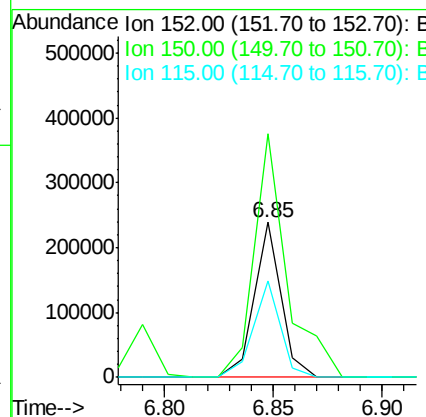
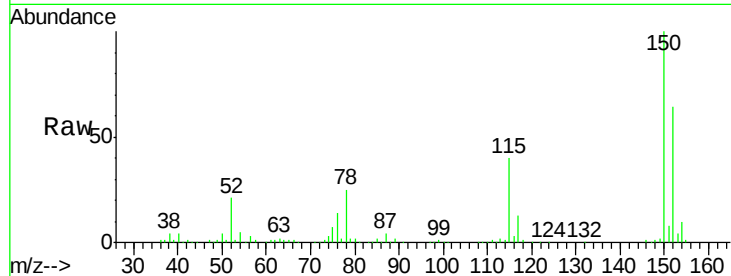
ClientSampleId :

PB97674BS

Tgt Ion:	152	Resp:	203073
Ion Ratio	Lower	Upper	
152	100		
150	157.3	126.2	189.2
115	62.2	52.2	78.2

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#2

1,4-Dioxane

Concen: 39.06 ng

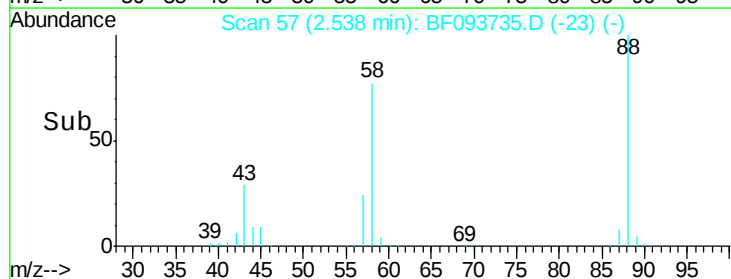
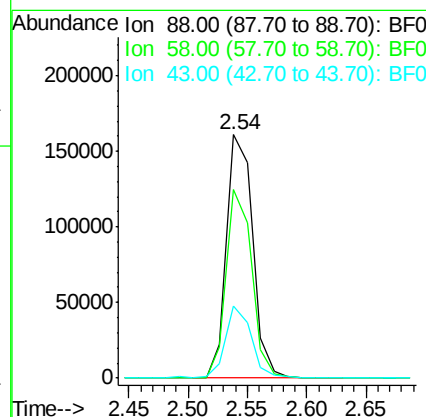
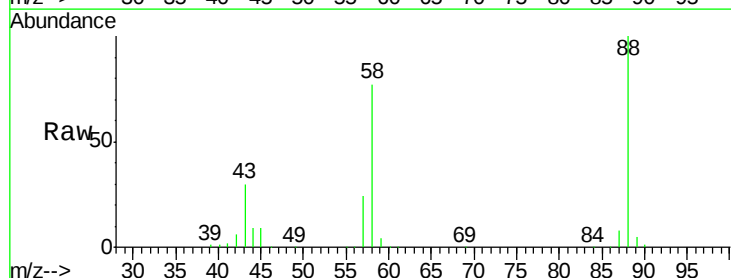
RT: 2.54 min Scan# 57

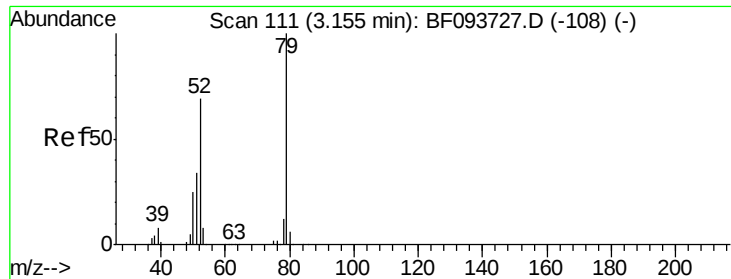
Delta R.T. 0.09 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Tgt Ion:	88	Resp:	245689
Ion Ratio	Lower	Upper	
88	100		
58	75.7	61.4	92.0
43	28.7	23.4	35.0





#3

Pyridine

Concen: 42.23 ng

RT: 3.25 min Scan# 119

Delta R.T. 0.09 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

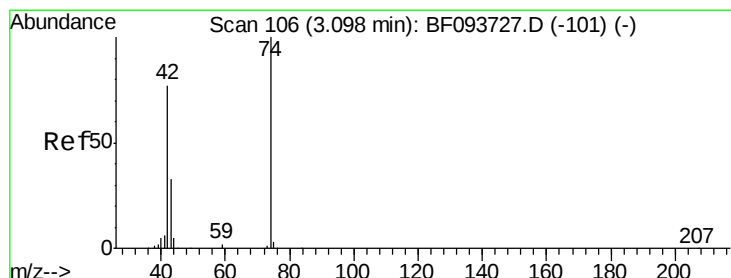
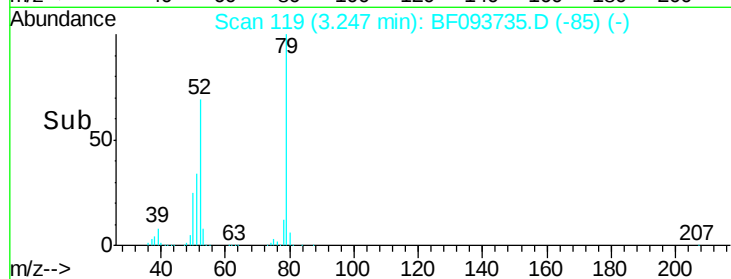
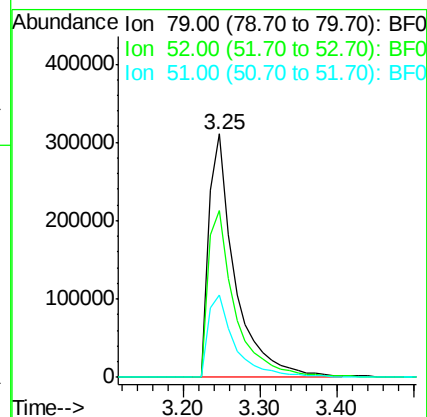
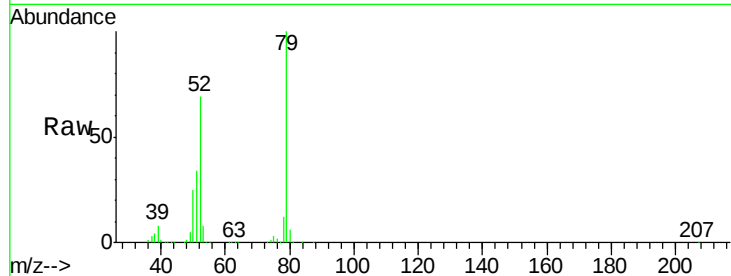
ClientSampleId :

PB97674BS

Tgt Ion:	79	Resp:	726405
Ion Ratio	Lower	Upper	
79	100		
52	68.7	54.8	82.2
51	33.8	27.0	40.4

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#4

n-Nitrosodimethylamine

Concen: 44.87 ng

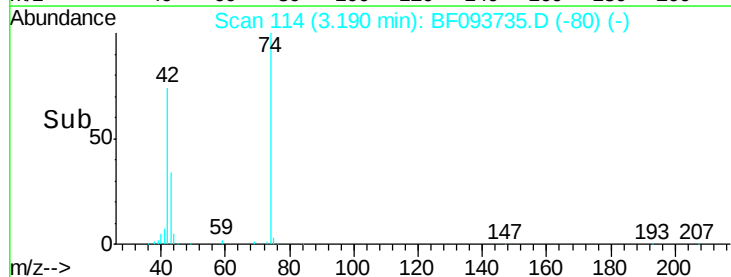
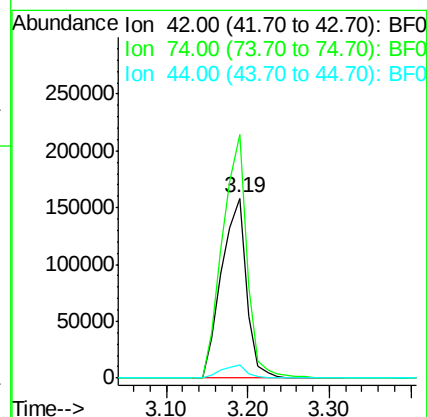
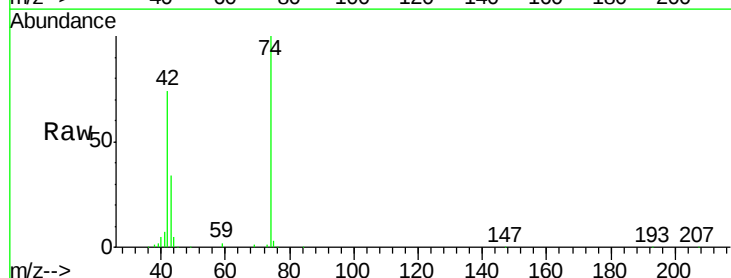
RT: 3.19 min Scan# 114

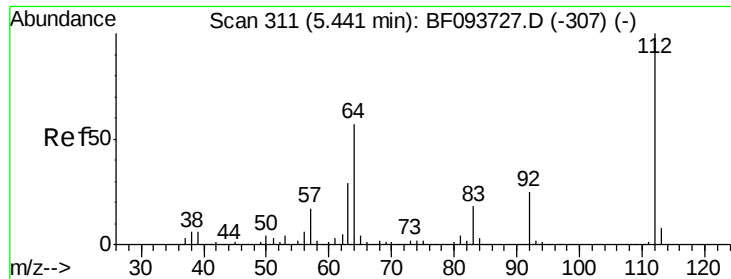
Delta R.T. 0.09 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Tgt Ion:	42	Resp:	337786
Ion Ratio	Lower	Upper	
42	100		
74	135.2	103.9	155.9
44	7.3	5.7	8.5





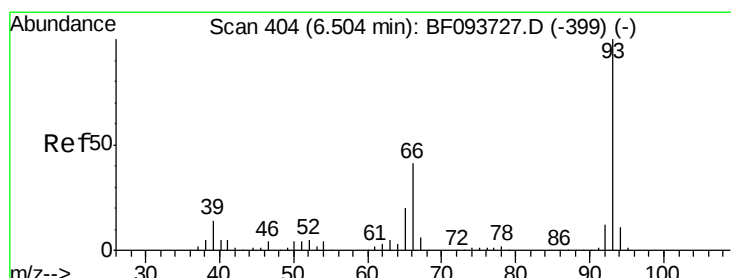
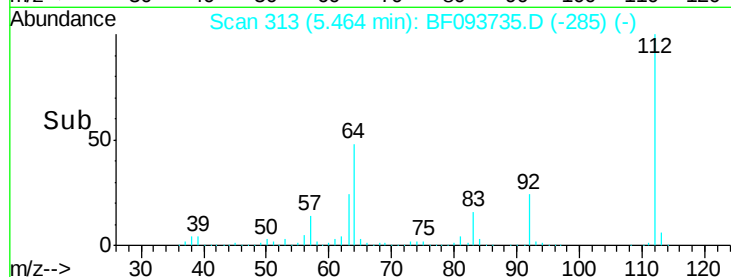
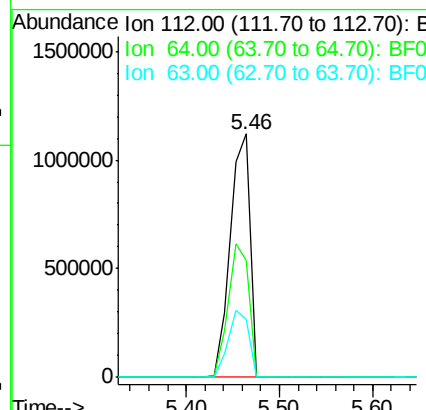
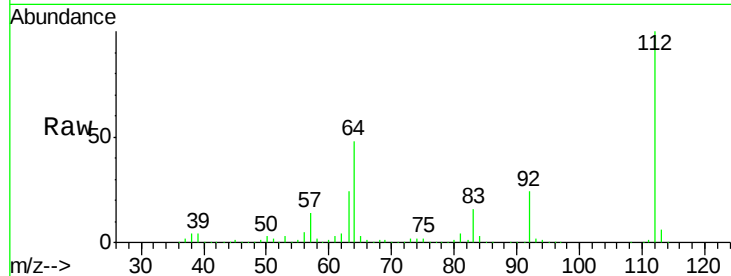
#5
 2-Fluorophenol
 Concen: 136.31 ng
 RT: 5.46 min Scan# 313
 Delta R.T. 0.02 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Instrument :
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 ClientSampleId :
 PB97674BS

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.9	46.0	69.0
63	23.8	23.4	35.0

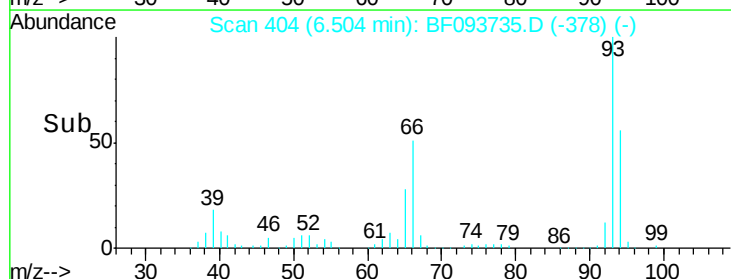
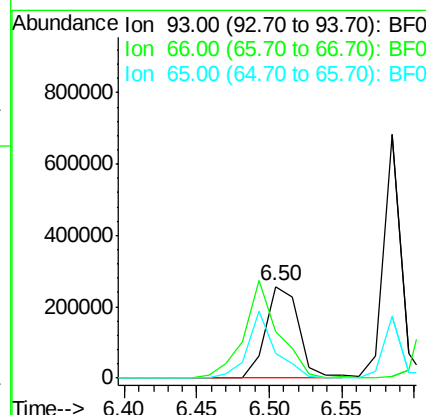
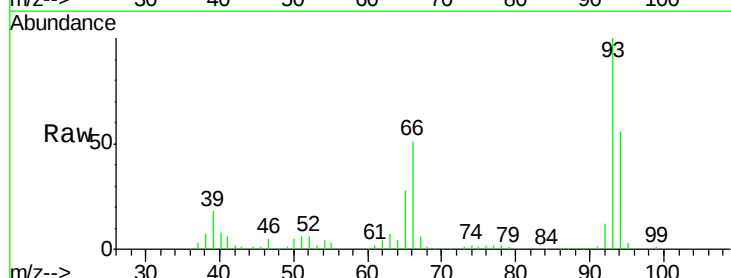
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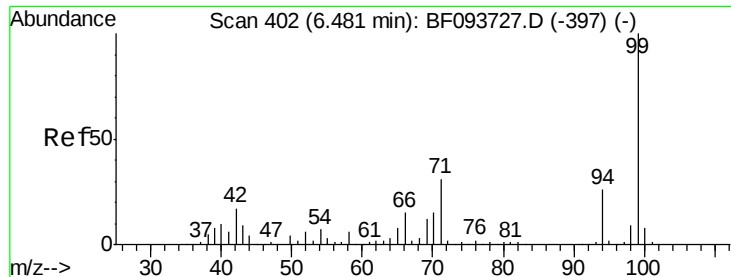
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#6
 Aniline
 Concen: 18.94 ng
 RT: 6.50 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
93	100		
66	50.5	32.9	49.3#
65	27.7	16.0	24.0#





#7

Phenol-d6

Concen: 127.73 ng

RT: 6.48 min Scan# 402

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

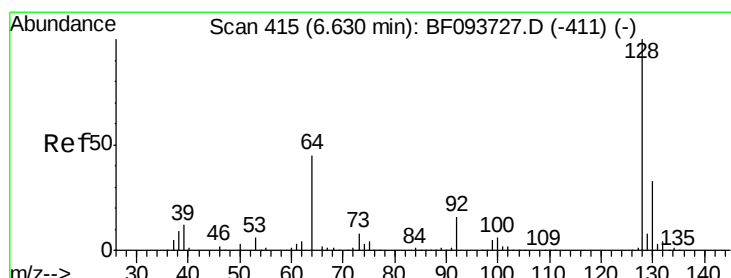
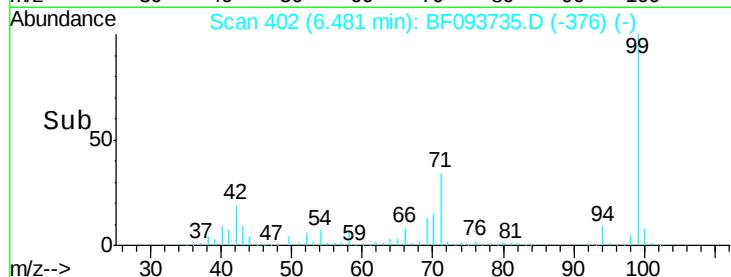
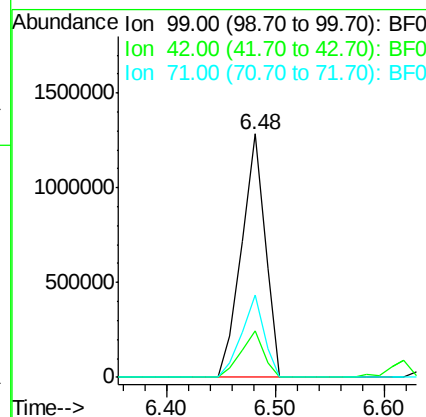
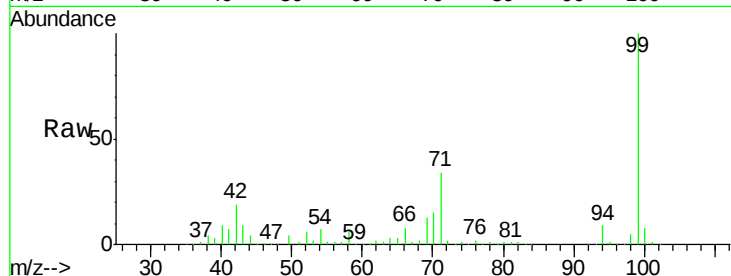
ClientSampleId :

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Tgt Ion:	99	Resp:	1928250
Ion	Ratio	Lower	Upper
99	100		
42	19.3	13.5	20.3
71	33.8	24.5	36.7

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#8

2-Chlorophenol

Concen: 43.75 ng

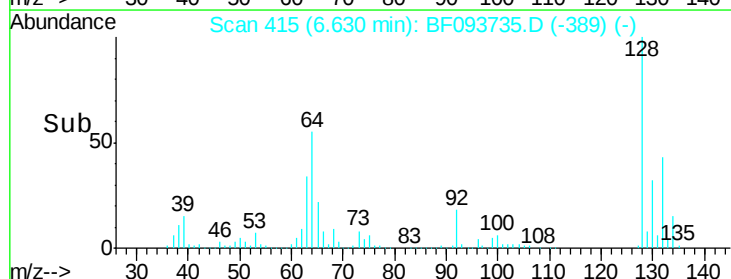
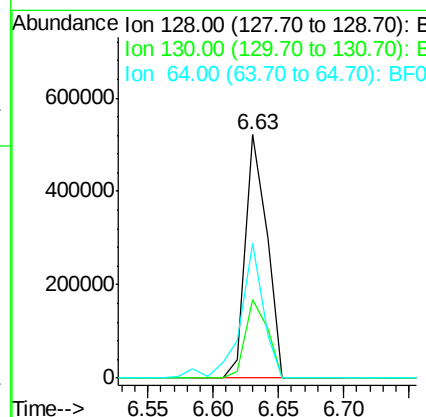
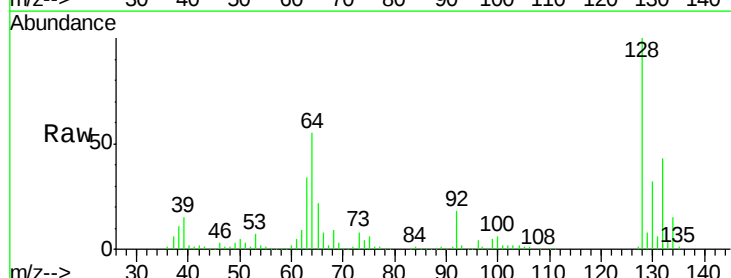
RT: 6.63 min Scan# 415

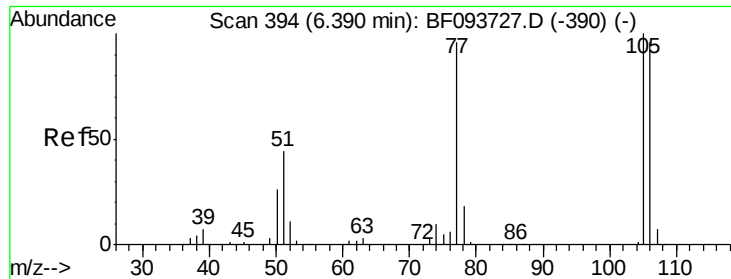
Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Tgt Ion:	128	Resp:	592476
Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.9	52.9
64	55.2	28.4	68.4





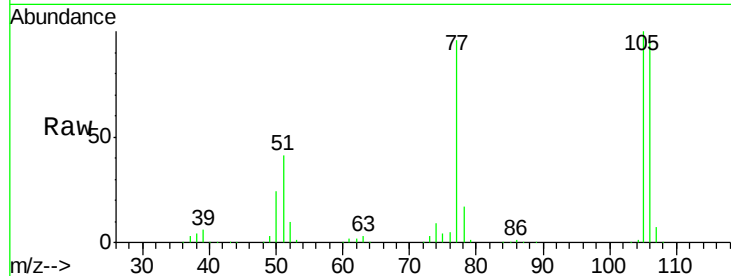
#9
Benzaldehyde
Concen: 32.71 ng
RT: 6.39 min Scan# 394
Delta R.T. 0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

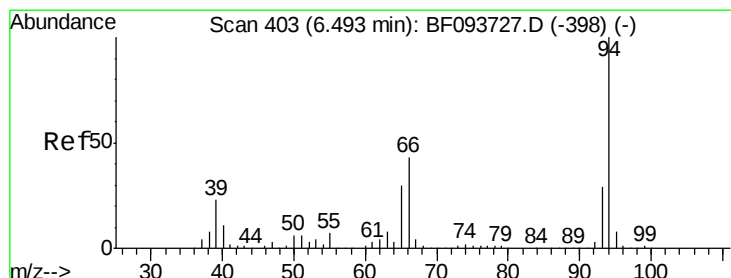
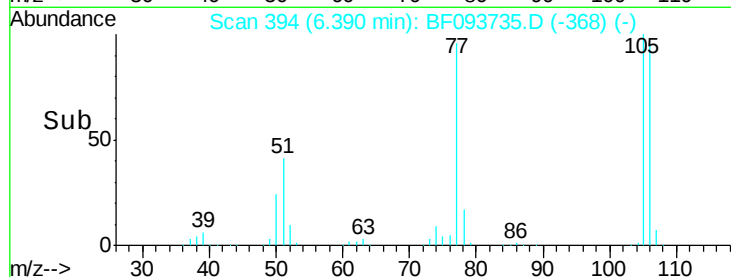
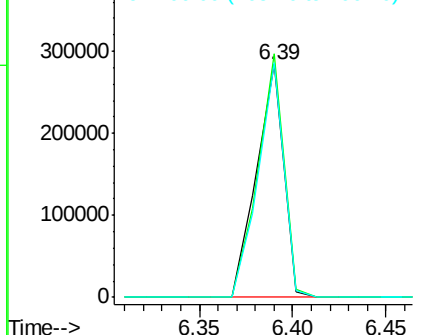
Tgt Ion	Ratio	Resp	Lower	Upper
77	100	285848		
105	104.5	83.8	123.8	
106	100.5	79.1	119.1	

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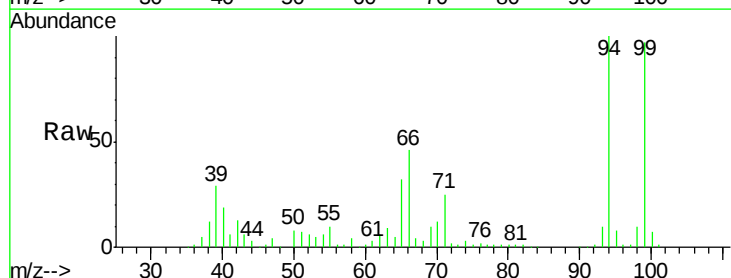


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

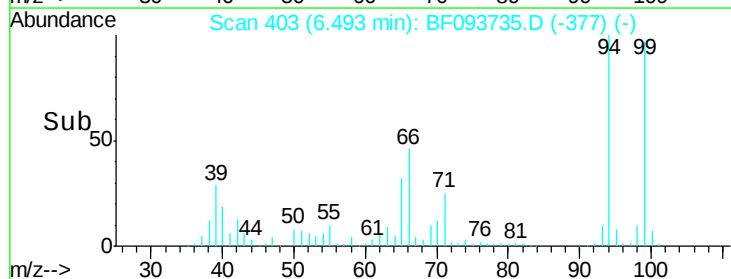
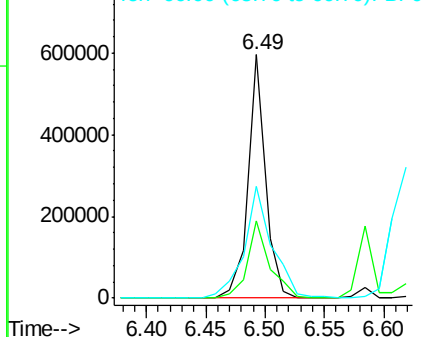


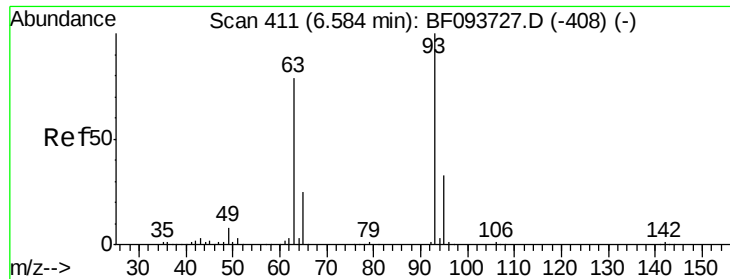
#10
Phenol
Concen: 34.92 ng
RT: 6.49 min Scan# 403
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	616377		
65	31.7	9.9	49.9	
66	46.1	23.1	63.1	



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





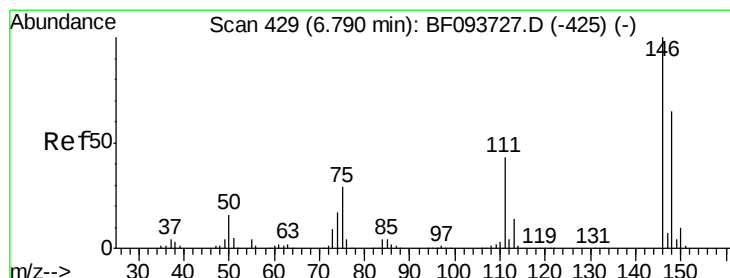
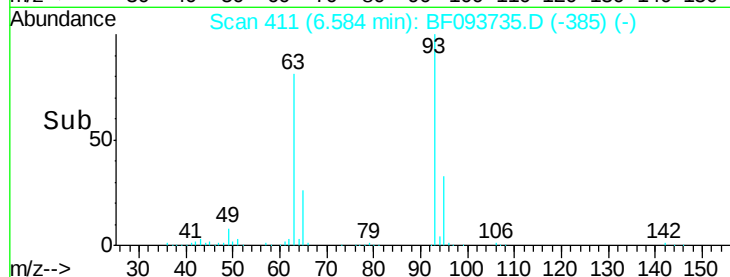
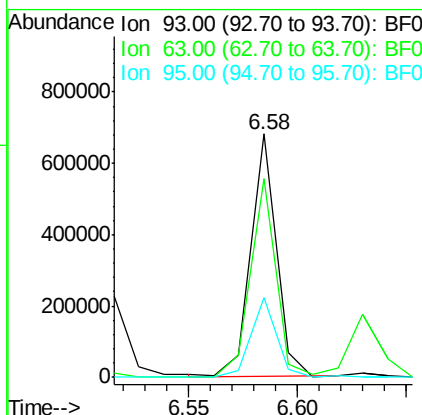
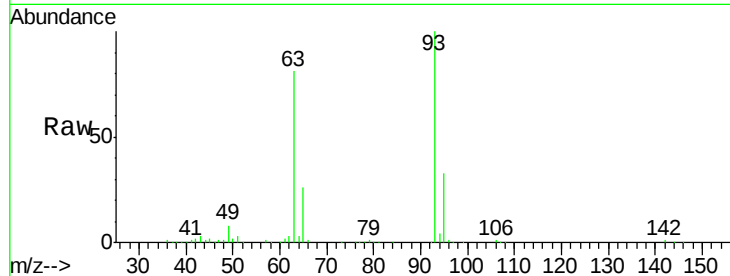
#11
bis(2-Chloroethyl)ether
Concen: 39.95 ng
RT: 6.58 min Scan# 411
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	555751		
63	81.4	59.2	99.2	
95	32.8	12.8	52.8	

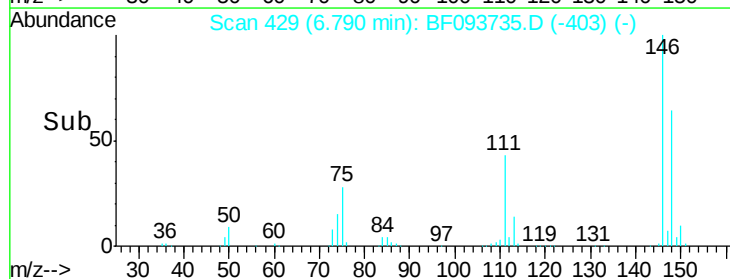
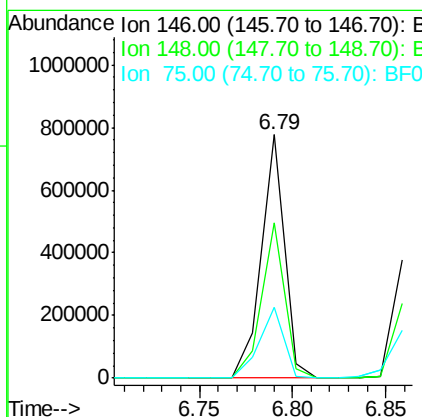
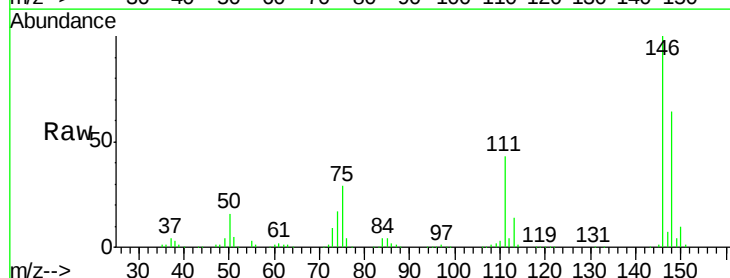
Manual Integrations
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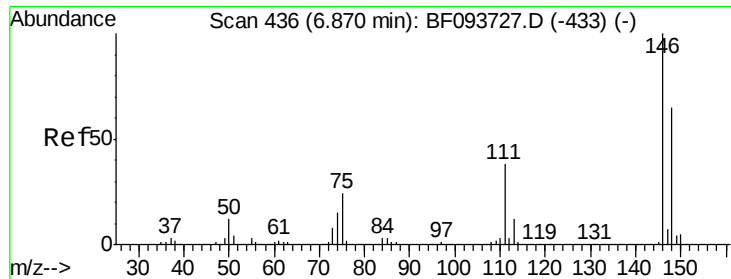
mohammad
3/20/2017 12:58:23 PM



#12
1,3-Dichlorobenzene
Concen: 44.29 ng
RT: 6.79 min Scan# 429
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	664498		
148	63.6	51.8	77.6	
75	29.0	23.1	34.7	





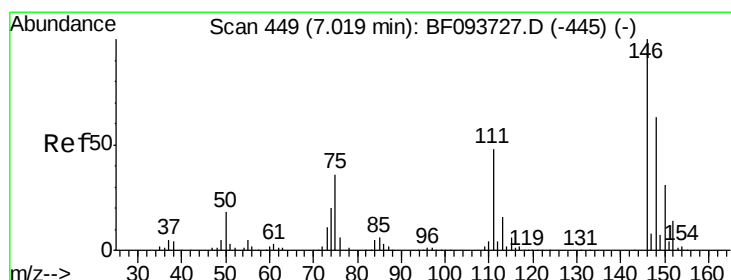
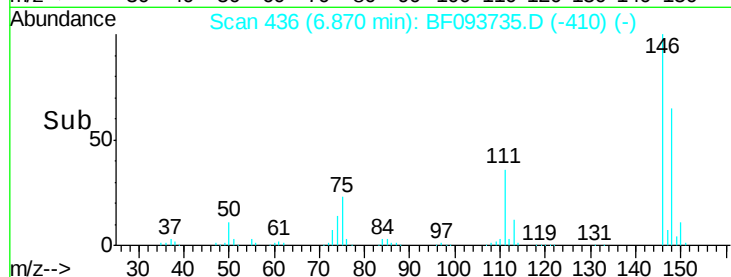
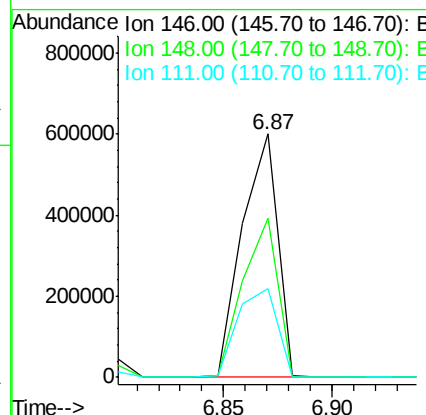
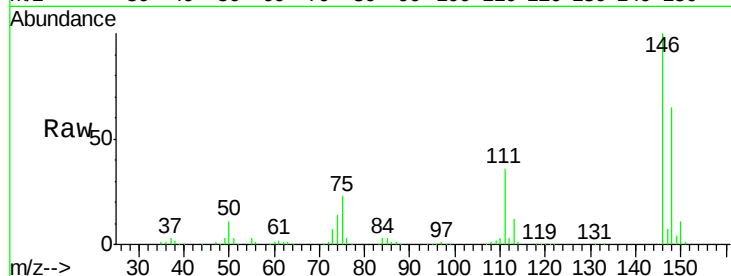
#13
 1,4-Dichlorobenzene
 Concen: 44.11 ng
 RT: 6.87 min Scan# 436
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.2	78.2
111	36.5	30.3	45.5

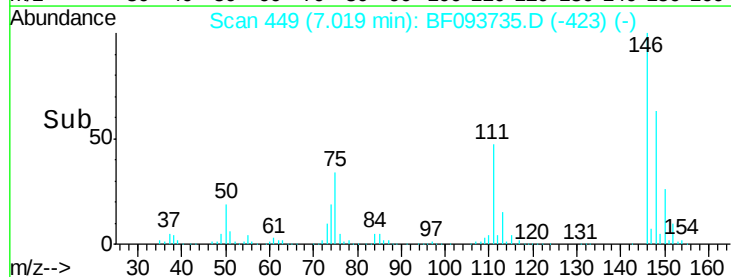
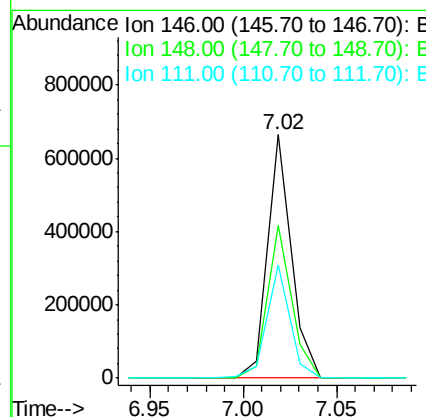
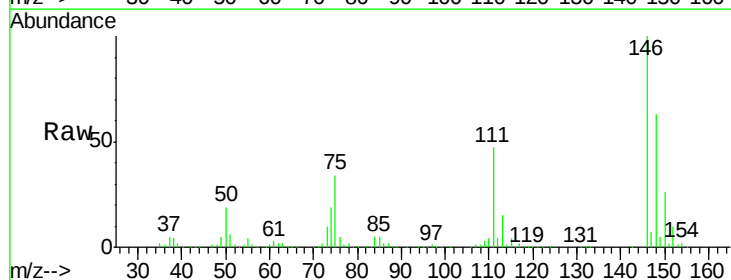
Manual Integrations
 APPROVED

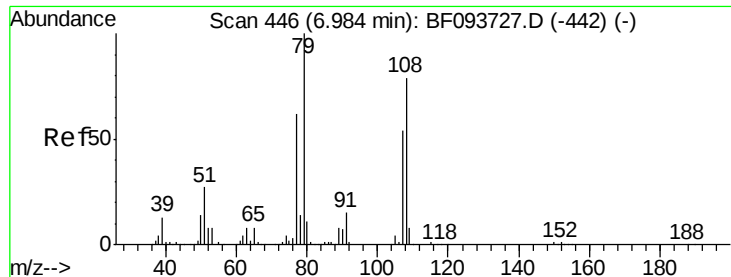
mohammad
 3/20/2017 12:58:23 PM



#14
 1,2-Dichlorobenzene
 Concen: 40.49 ng
 RT: 7.02 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.4	75.6
111	46.6	38.2	57.4





#15

Benzyl Alcohol

Concen: 47.91 ng

RT: 6.98 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

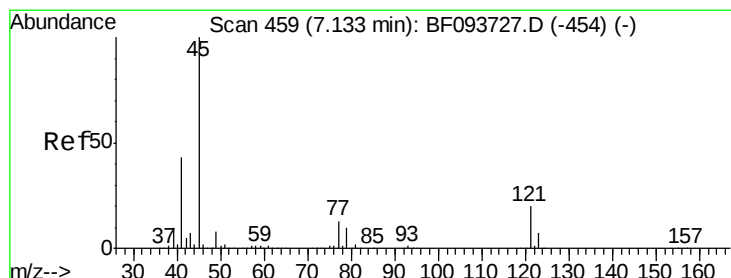
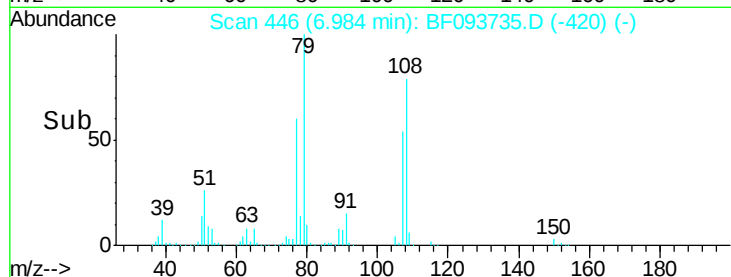
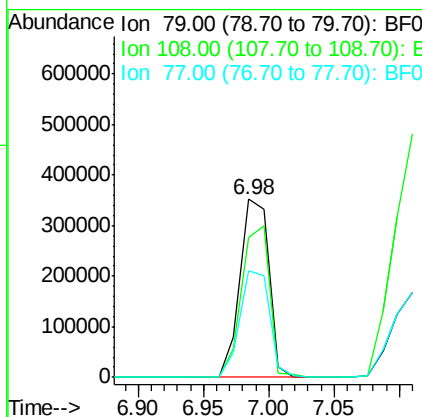
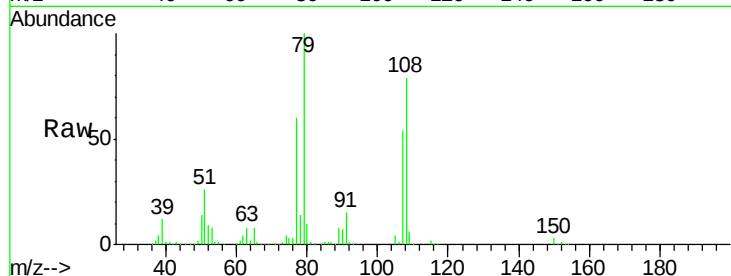
ClientSampleId :

PB97674BS

Tgt Ion	Ratio	Lower	Upper
79	100		
108	78.6	63.4	95.0
77	60.2	49.2	73.8

Manual Integrations
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3/20/2017 12:58:23 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.10 ng

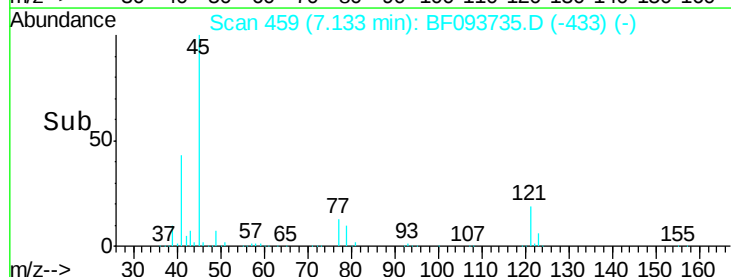
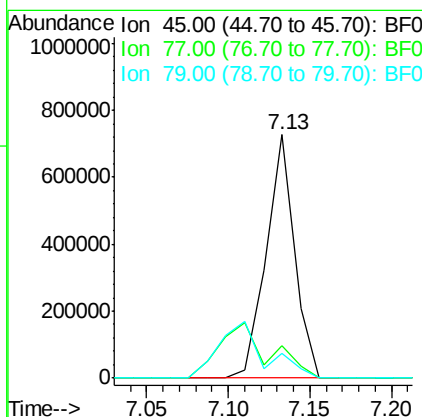
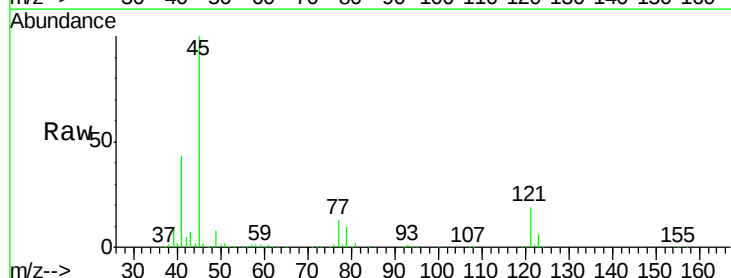
RT: 7.13 min Scan# 459

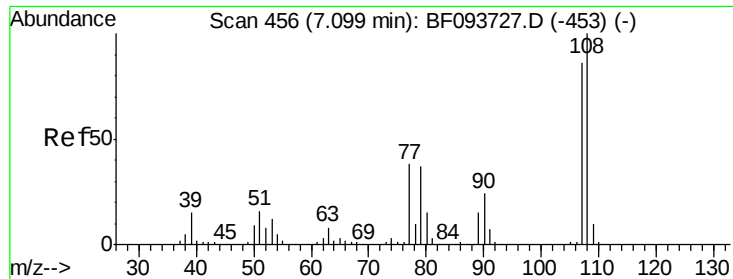
Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.2
79	10.2	0.0	30.0





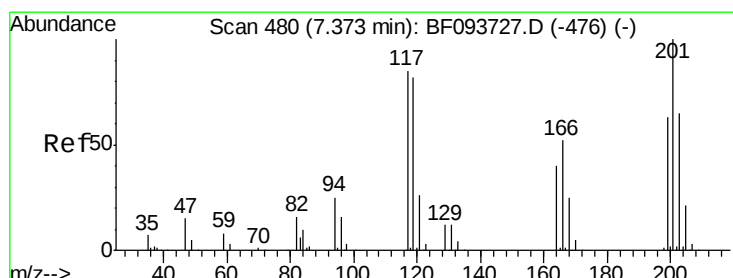
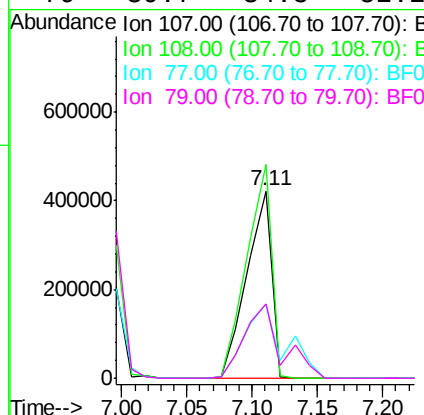
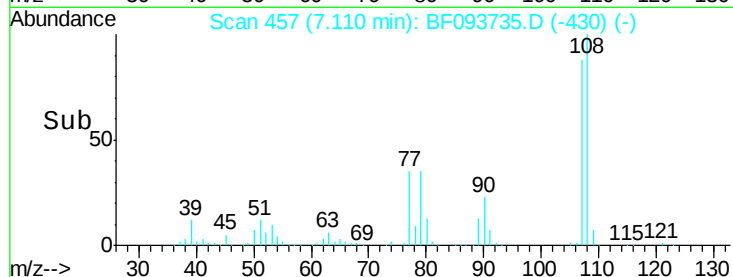
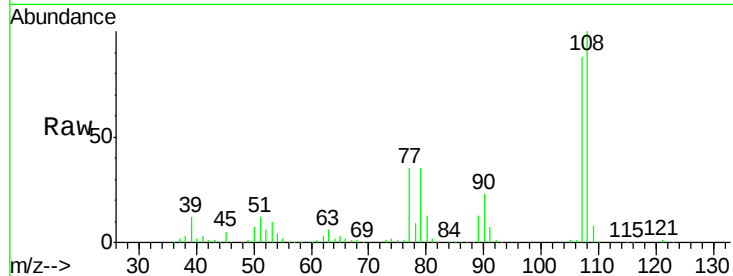
#17
2-Methylphenol
Concen: 47.97 ng
RT: 7.11 min Scan# 457
Delta R.T. 0.01 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	562372		
108	114.0	93.4	140.0	
77	39.5	35.8	53.6	
79	39.7	34.8	52.2	

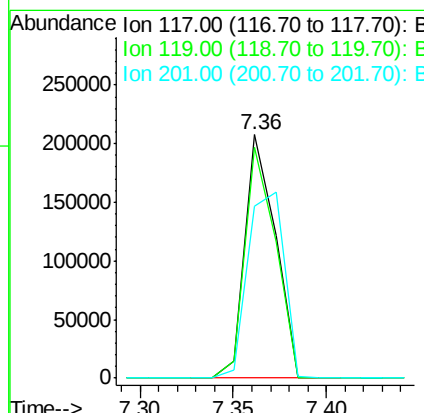
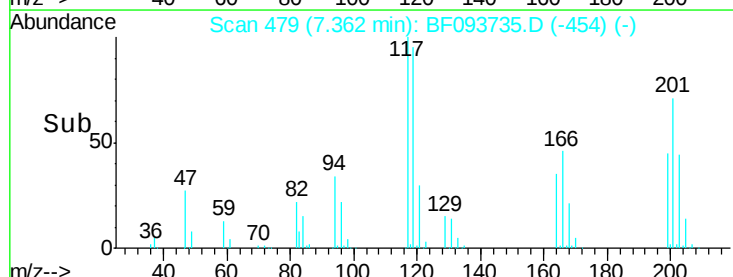
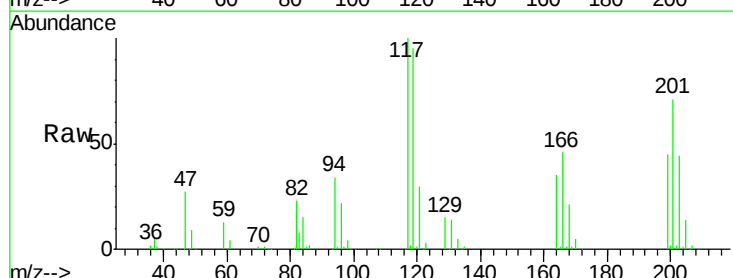
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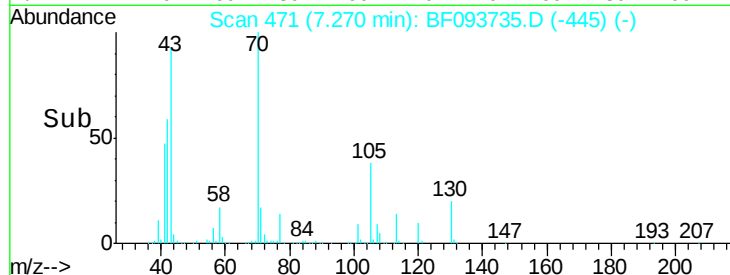
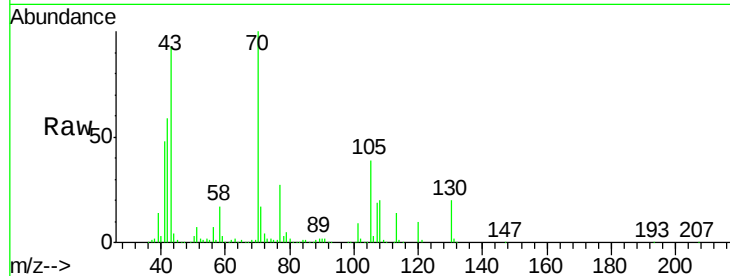
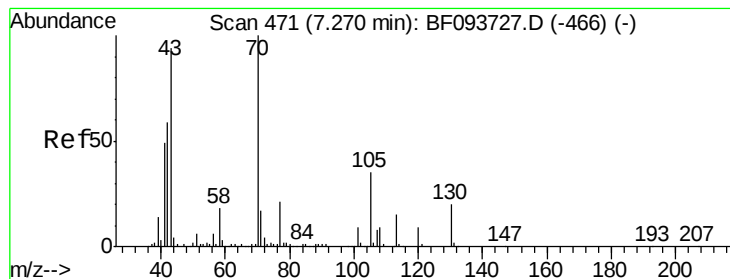
mohammad
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#18
Hexachloroethane
Concen: 43.28 ng
RT: 7.36 min Scan# 479
Delta R.T. -0.01 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	236238		
119	94.5	77.4	116.0	
201	70.6	94.6	141.8	





#19

n-Nitroso-di-n-propylamine

Concen: 43.58 ng

RT: 7.27 min Scan# 471

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

ClientSampleId :

PB97674BS

Tgt Ion: 70 Resp: 436873

Ion Ratio Lower Upper

70 100

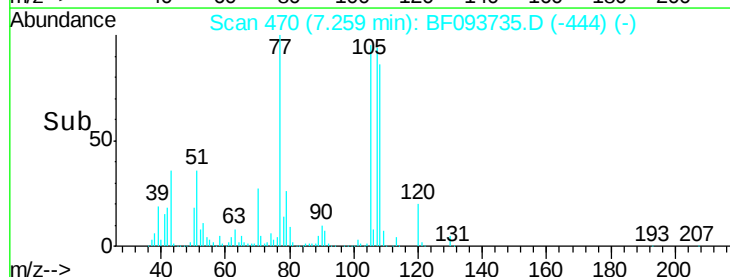
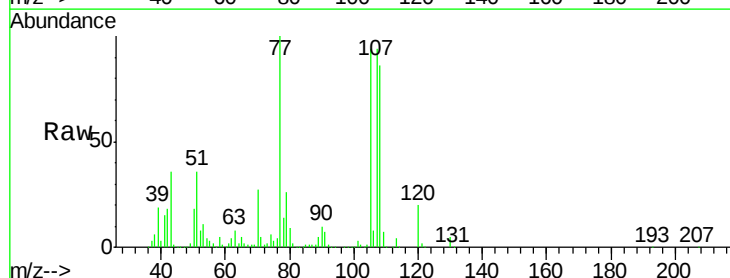
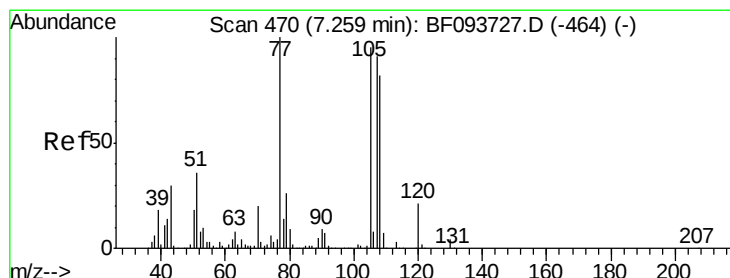
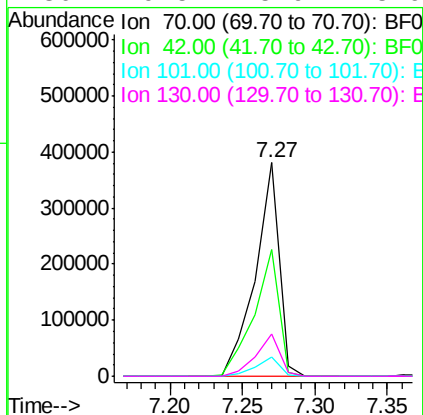
42 59.2 47.2 70.8

101 9.1 7.2 10.8

130 19.5 15.9 23.9

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#20

3+4-Methylphenols

Concen: 40.94 ng

RT: 7.26 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Tgt Ion: 107 Resp: 569020

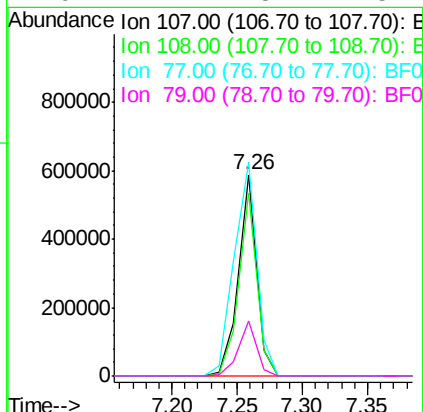
Ion Ratio Lower Upper

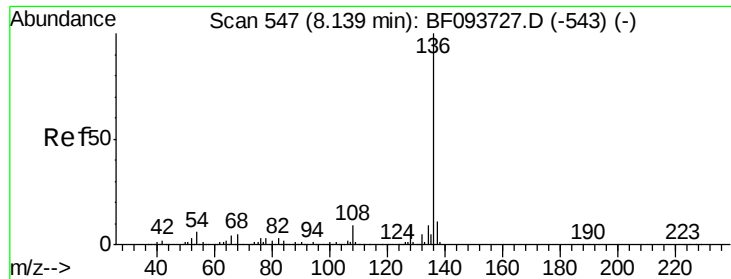
107 100

108 90.9 71.0 111.0

77 106.2 90.5 130.5

79 27.4 8.4 48.4





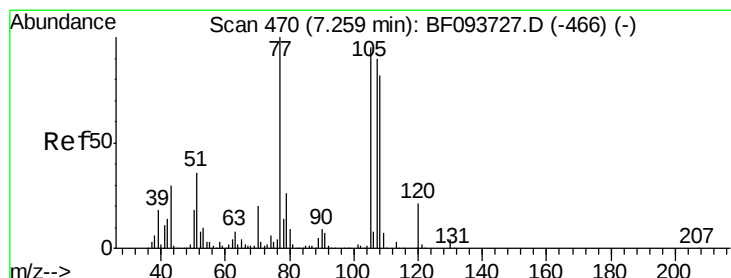
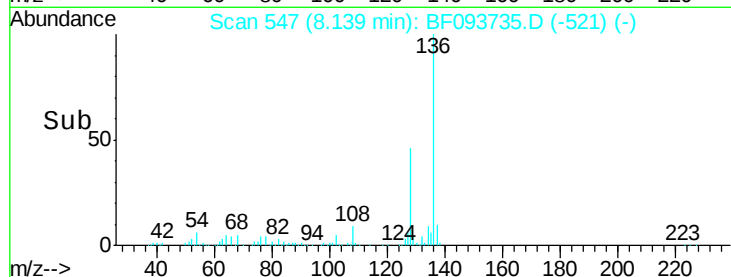
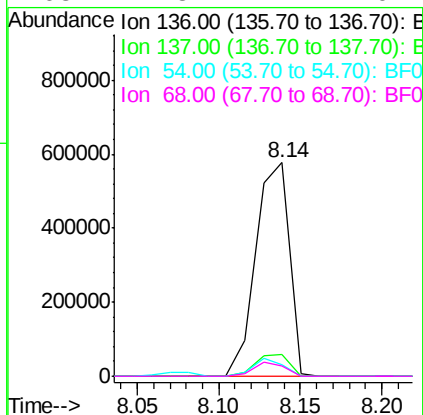
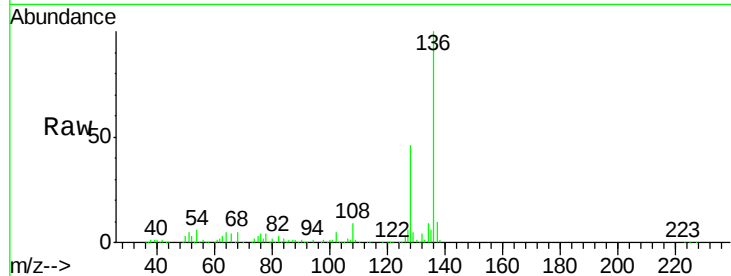
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 547
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	825007		
137	10.4	8.5	12.7	
54	5.7	4.9	7.3	
68	4.8	4.1	6.1	

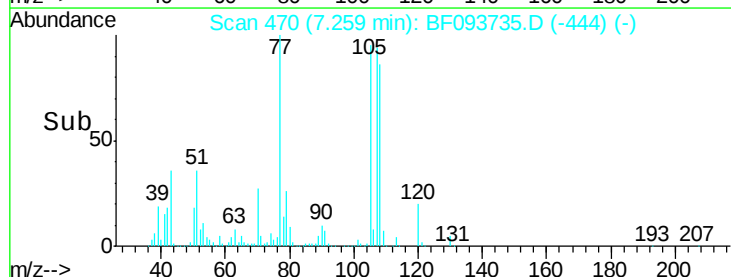
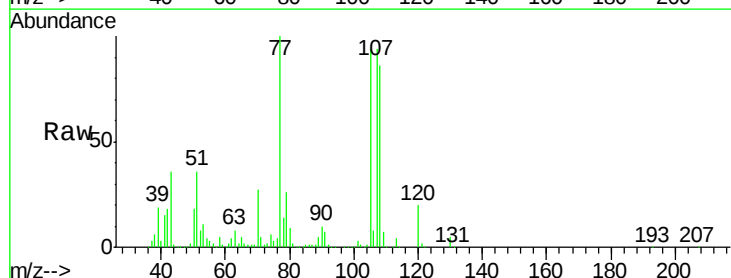
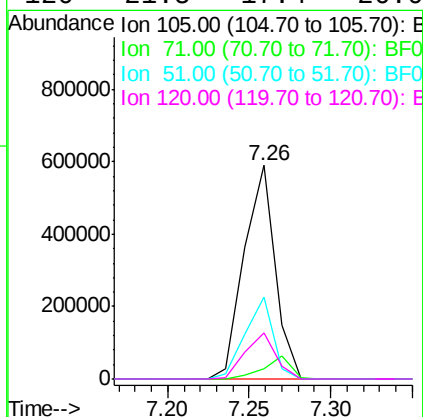
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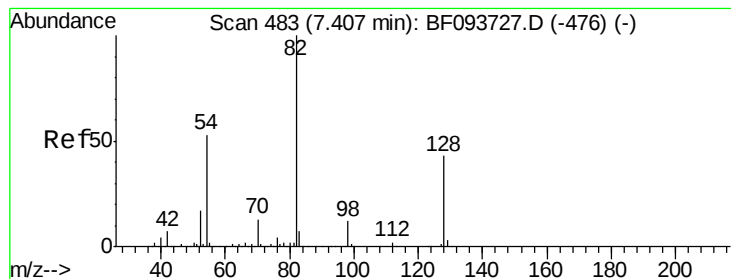
mohammad
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#22
Acetophenone
Concen: 42.16 ng
RT: 7.26 min Scan# 470
Delta R.T. 0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	774946		
71	4.8	2.8	4.2#	
51	38.6	30.7	46.1	
120	21.5	17.4	26.0	





#23

Nitrobenzene-d5

Concen: 91.71 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

ClientSampleId :

PB97674BS

Tgt Ion: 82 Resp: 1260638

Ion Ratio Lower Upper

82 100

128 43.8 34.0 51.0

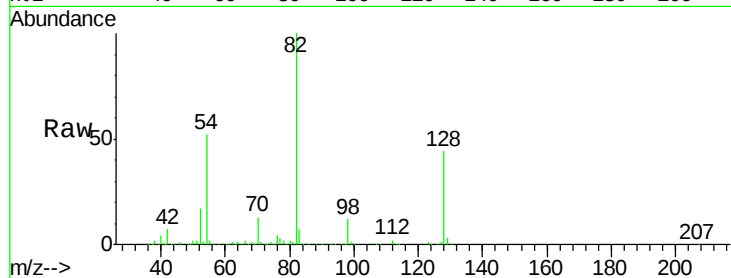
54 51.5 42.2 63.2

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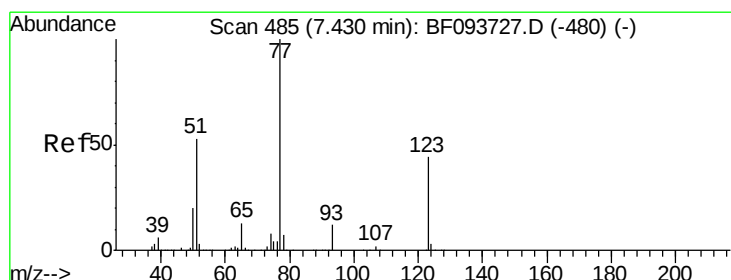
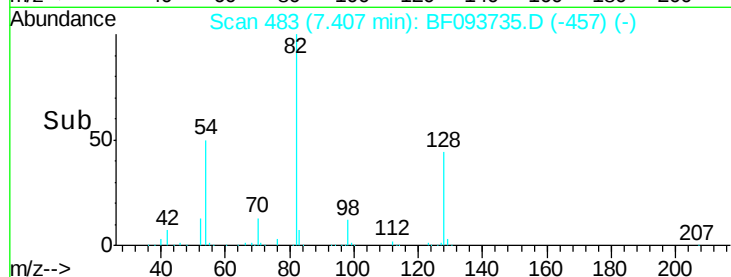
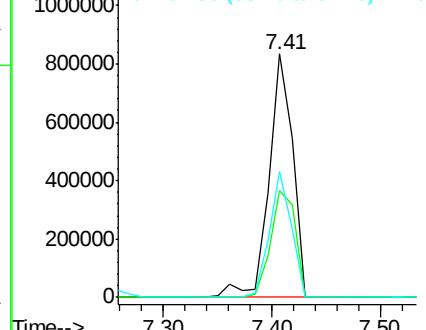
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 45.87 ng

RT: 7.43 min Scan# 485

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

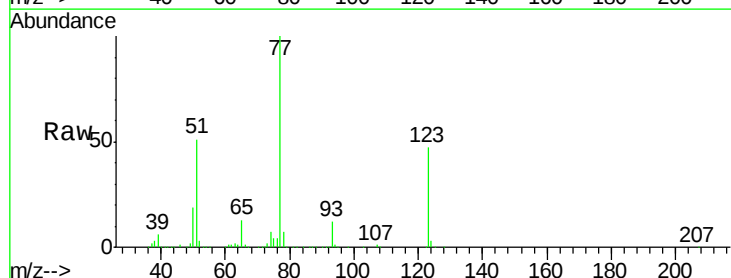
Tgt Ion: 77 Resp: 681601

Ion Ratio Lower Upper

77 100

123 47.0 35.8 53.8

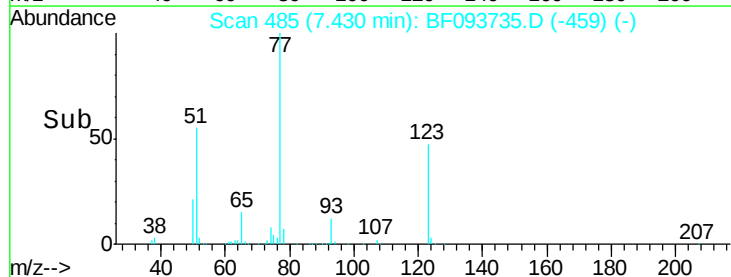
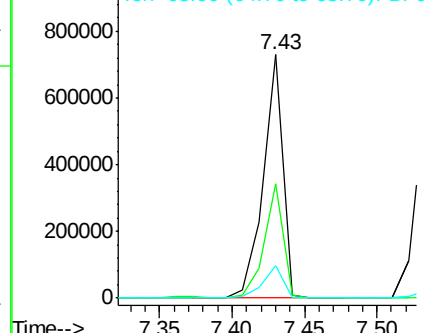
65 13.2 10.6 15.8

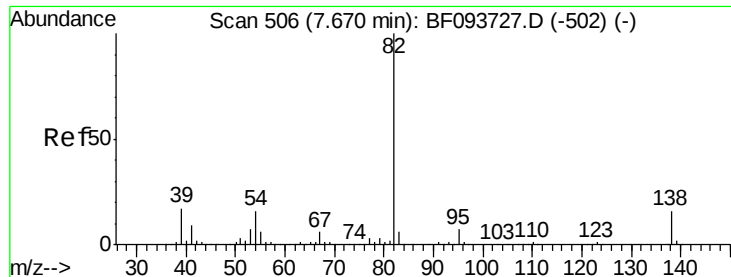


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 45.20 ng

RT: 7.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

ClientSampleId :

PB97674BS

Tgt Ion: 82 Resp: 1196061

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

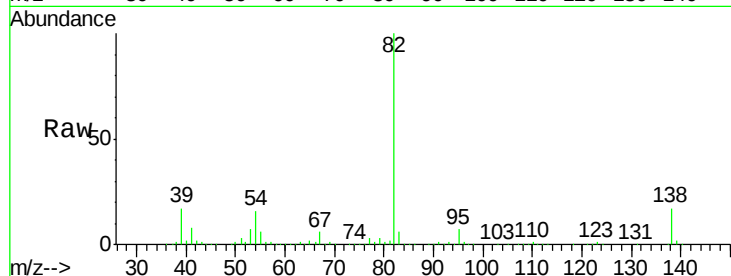
138 17.5 13.1 19.7

Manual Integrations

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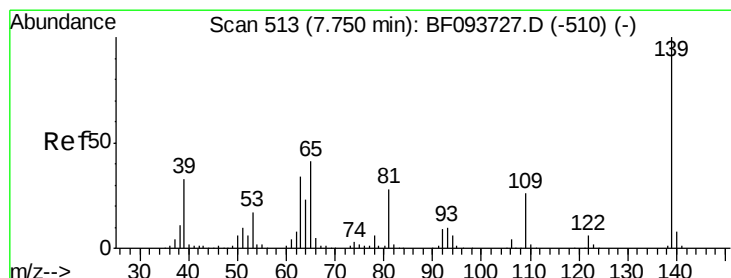
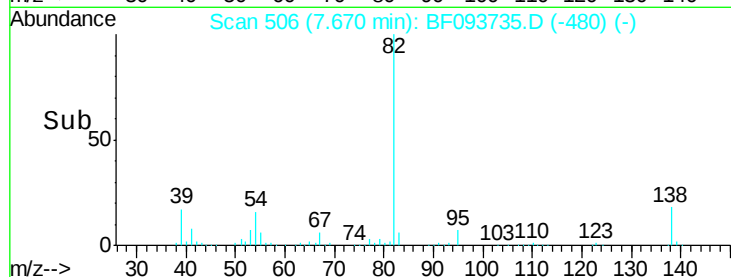
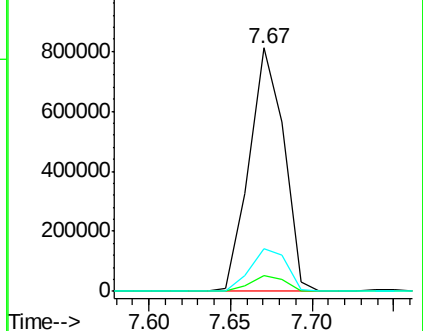
3/20/2017 12:58:23 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 59.13 ng

RT: 7.75 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

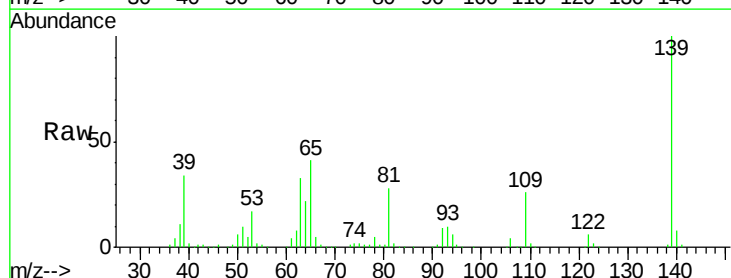
Tgt Ion: 139 Resp: 332689

Ion Ratio Lower Upper

139 100

109 26.4 21.0 31.6

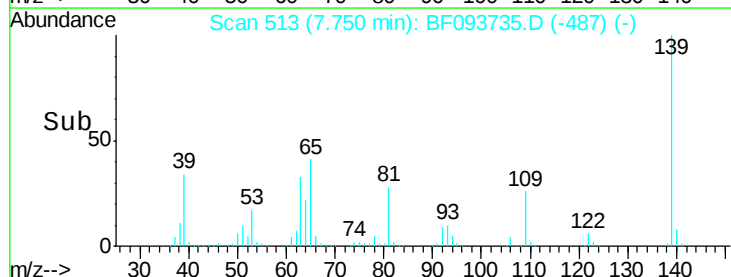
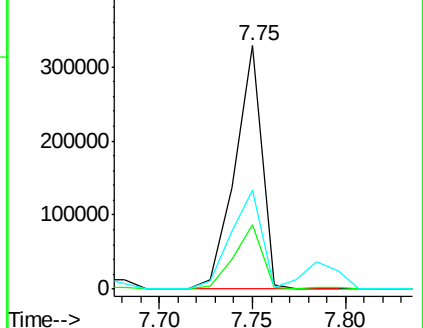
65 40.9 33.0 49.6

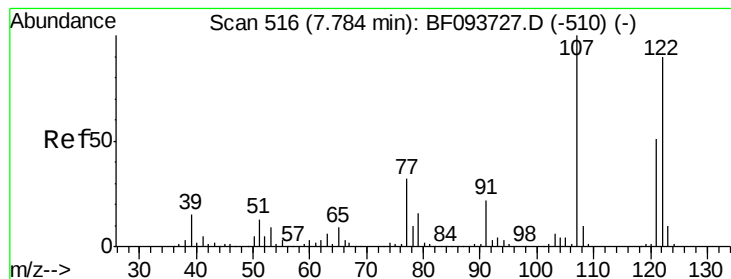


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 48.71 ng

RT: 7.80 min Scan# 517

Delta R.T. 0.01 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

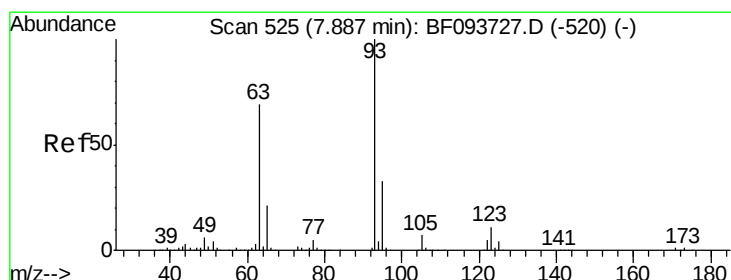
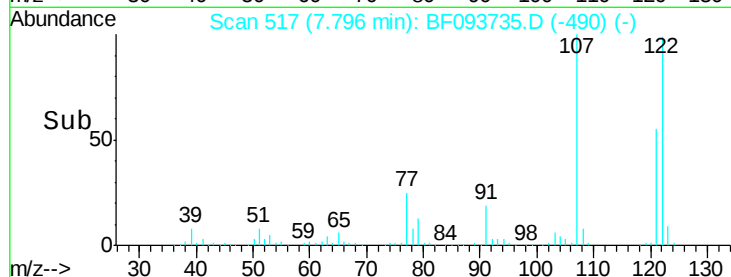
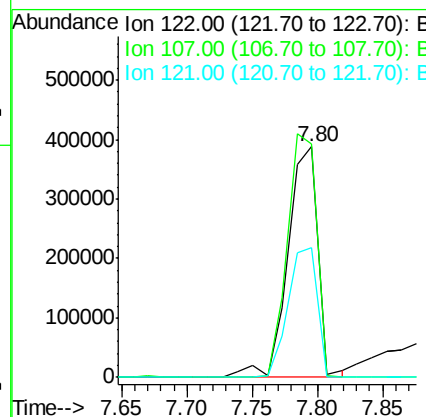
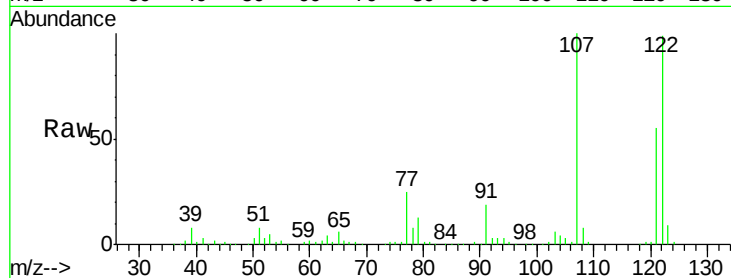
ClientSampled :

PB97674BS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	627173		
107	101.5	89.2	133.8	
121	56.3	45.2	67.8	

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#28

bis(2-Chloroethoxy)methane

Concen: 46.31 ng

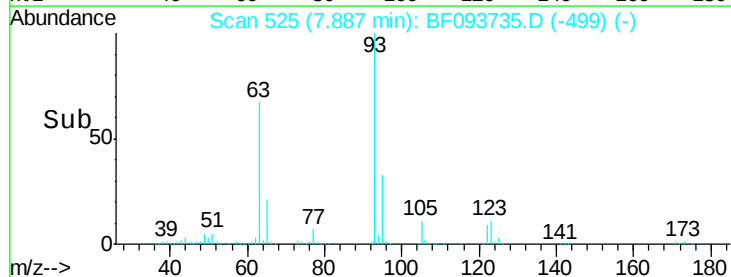
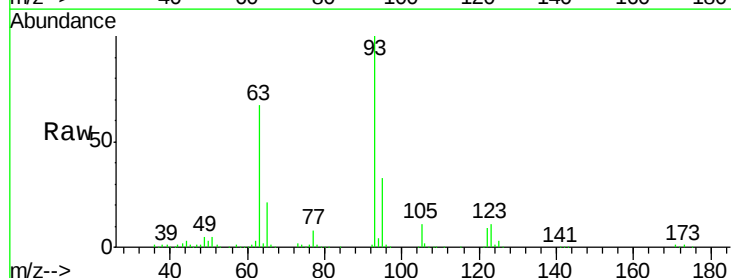
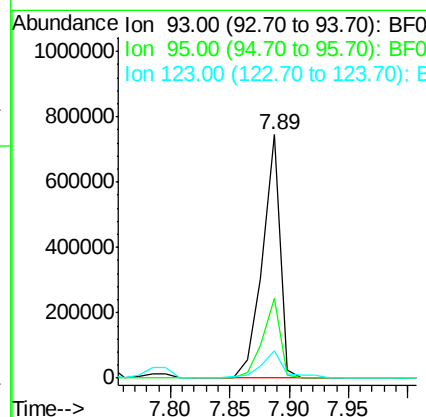
RT: 7.89 min Scan# 525

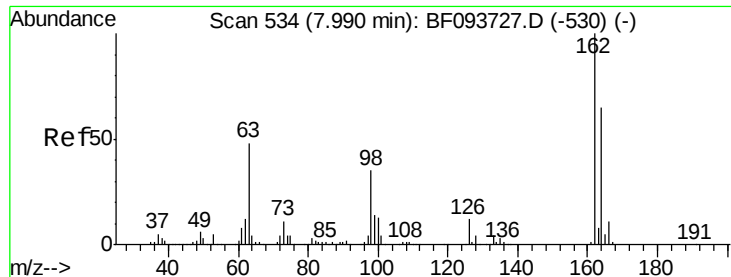
Delta R.T. -0.00 min

Lab File: BF093735.D

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Tgt Ion	Ratio	Resp	Lower	Upper
93	100	773367		
95	32.9	26.5	39.7	
123	11.3	9.0	13.4	





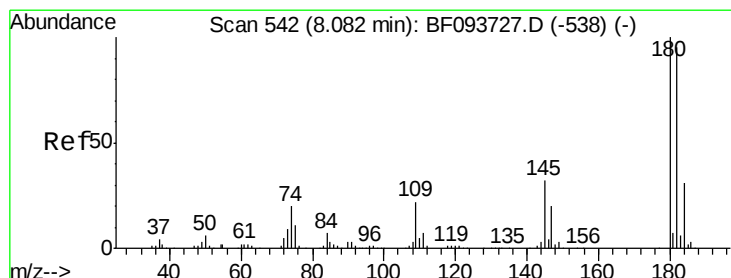
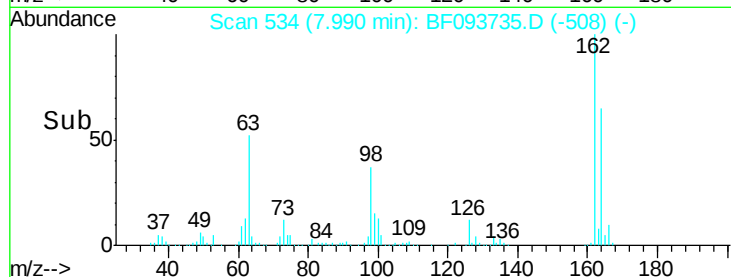
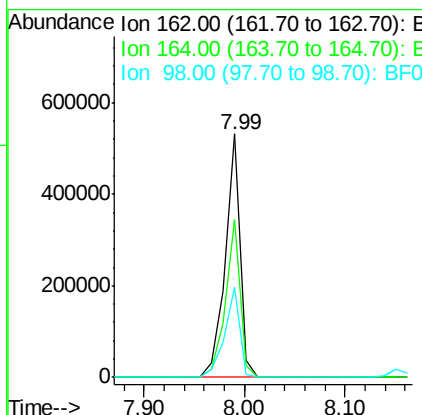
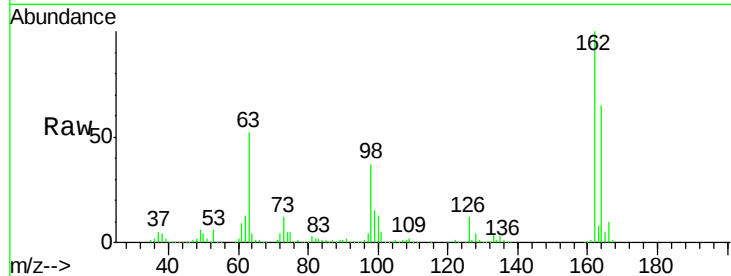
#29
2,4-Dichlorophenol
Concen: 49.04 ng
RT: 7.99 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion:	162	Resp:	542456
Ion Ratio	Lower	Upper	
162	100		
164	64.7	44.6	84.6
98	37.1	14.8	54.8

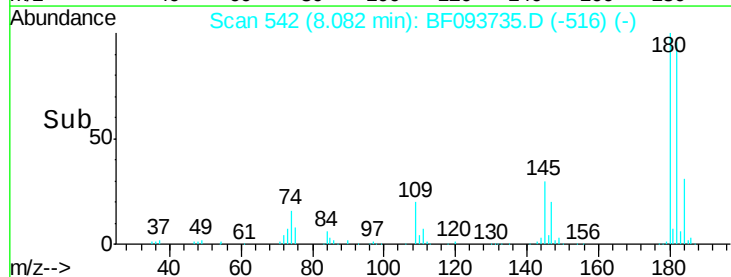
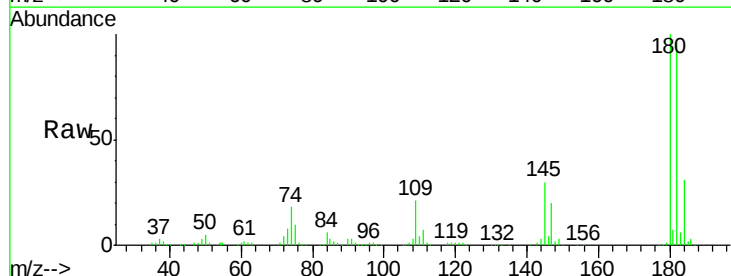
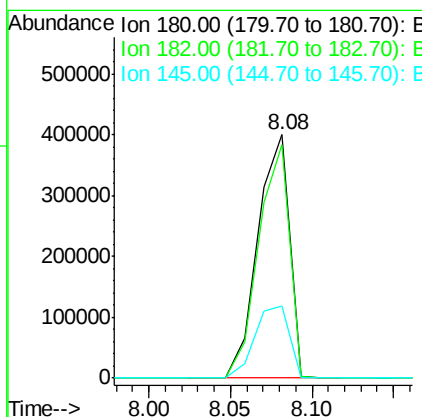
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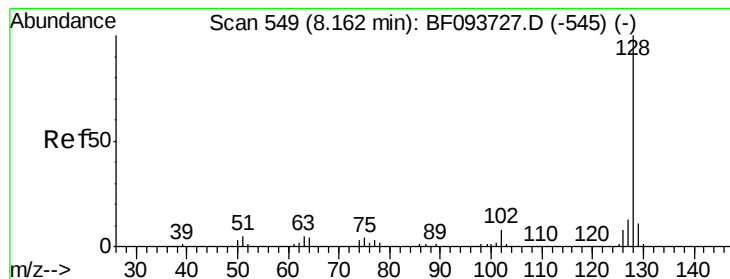
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 46.57 ng
RT: 8.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion:	180	Resp:	536937
Ion Ratio	Lower	Upper	
180	100		
182	96.0	75.8	113.6
145	29.7	25.3	37.9





#31

Naphthalene

Concen: 42.96 ng

RT: 8.15 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

ClientSampleId :

PB97674BS

Tgt Ion:128 Resp: 1727899

Ion Ratio Lower Upper

128 100

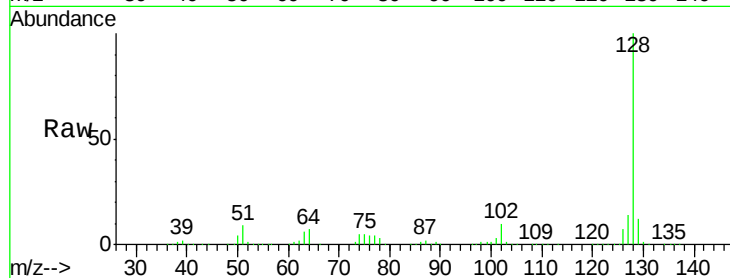
129 11.8 9.0 13.6

127 13.7 10.8 16.2

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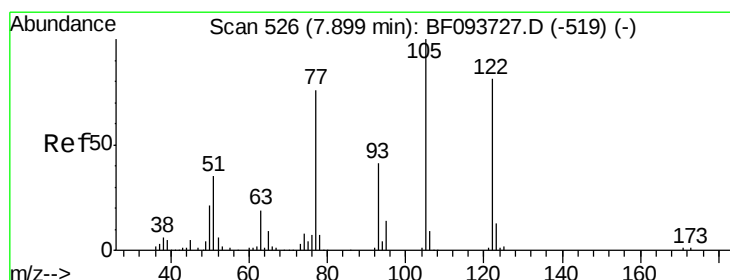
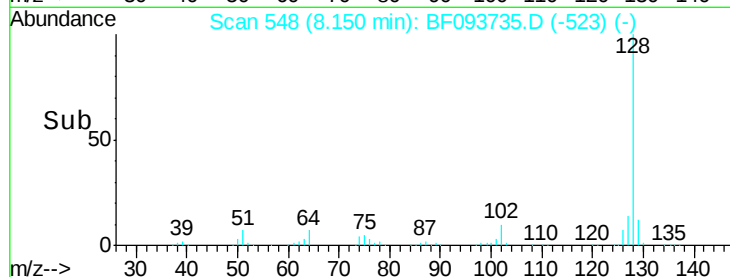
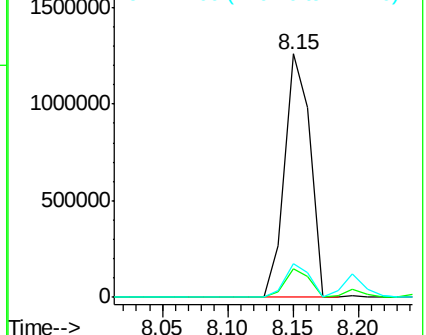
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 50.47 ng

RT: 7.92 min Scan# 528

Delta R.T. 0.02 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

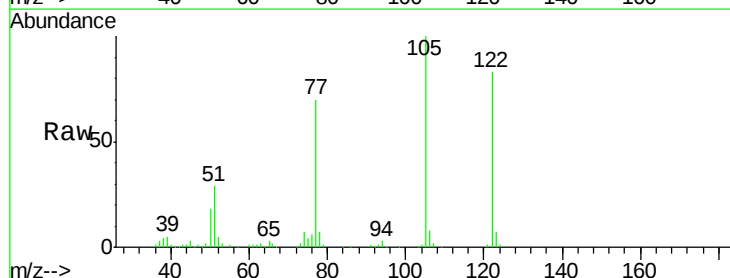
Tgt Ion:122 Resp: 403505

Ion Ratio Lower Upper

122 100

105 120.4 103.3 143.3

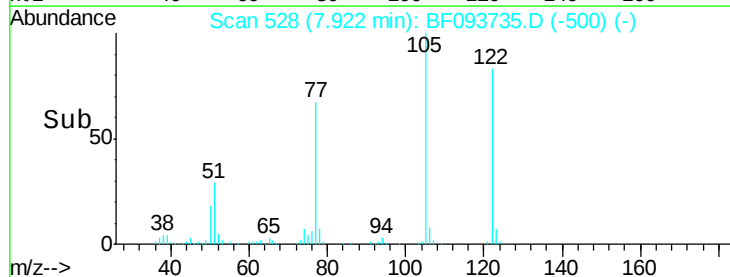
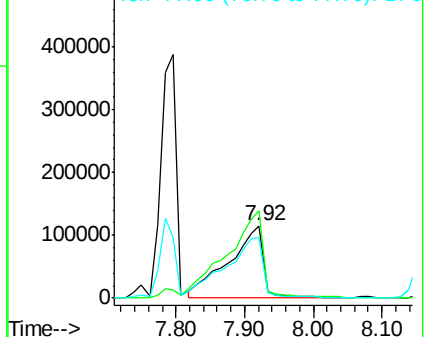
77 84.4 73.7 113.7

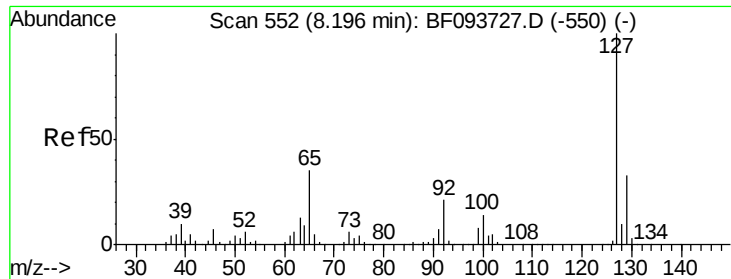


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





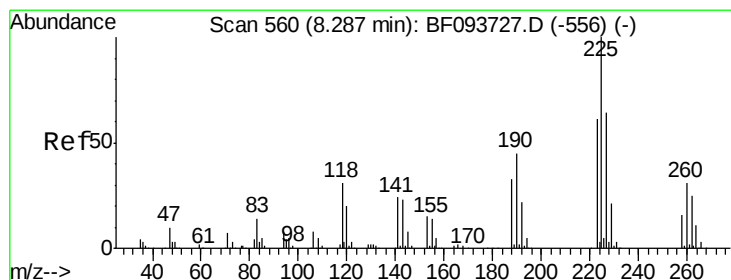
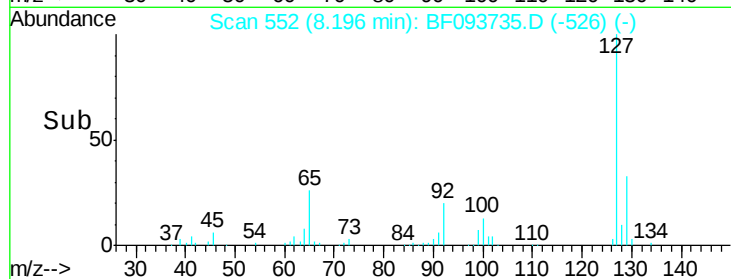
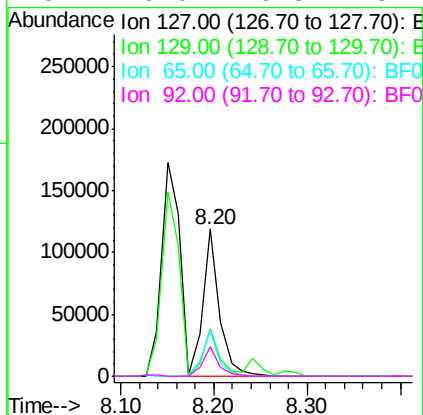
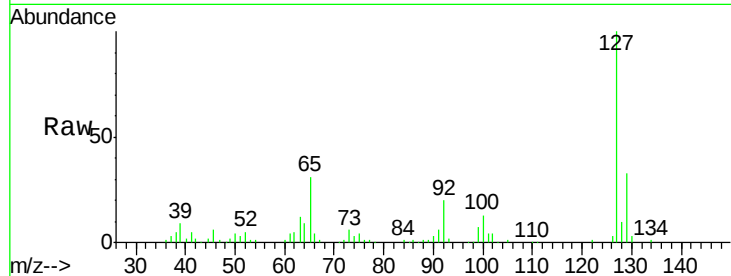
#33
4-Chloroaniline
Concen: 8.72 ng
RT: 8.20 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion:	127	Resp:	146909
Ion Ratio	Lower	Upper	
127	100		
129	32.7	26.2	39.2
65	31.1	27.8	41.8
92	20.0	16.8	25.2

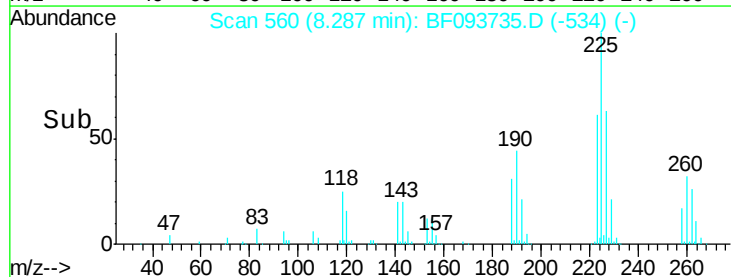
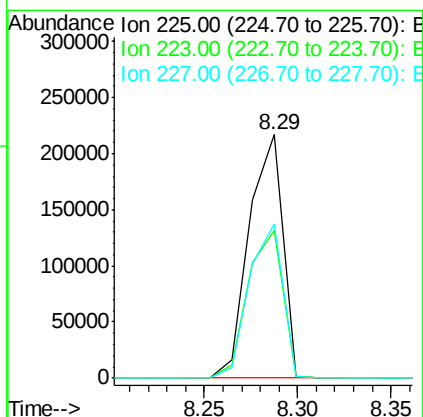
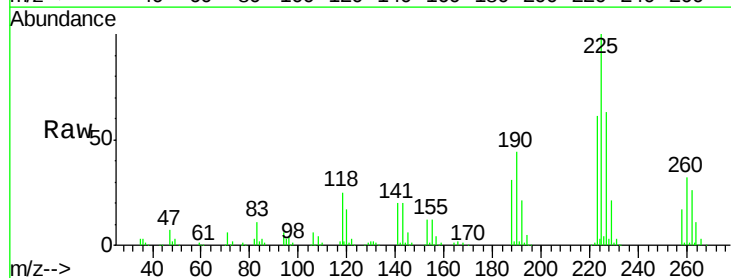
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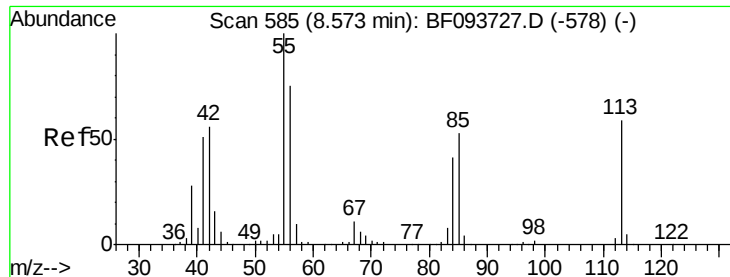
mohammad
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#34
Hexachlorobutadiene
Concen: 44.73 ng
RT: 8.29 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion:	225	Resp:	270126
Ion Ratio	Lower	Upper	
225	100		
223	60.8	48.8	73.2
227	63.2	51.1	76.7





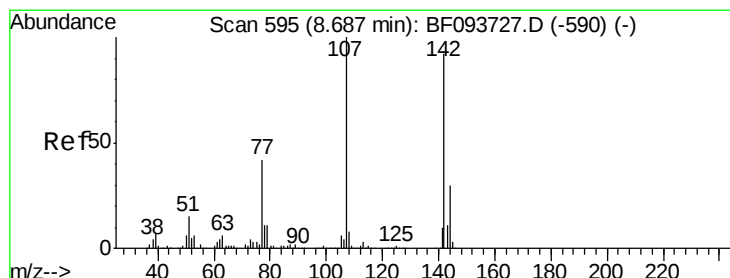
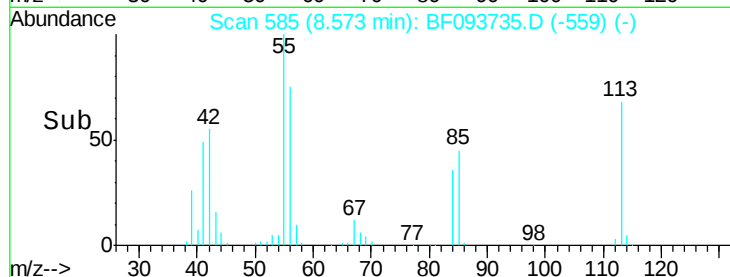
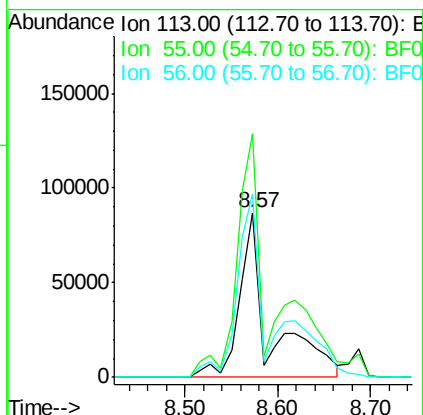
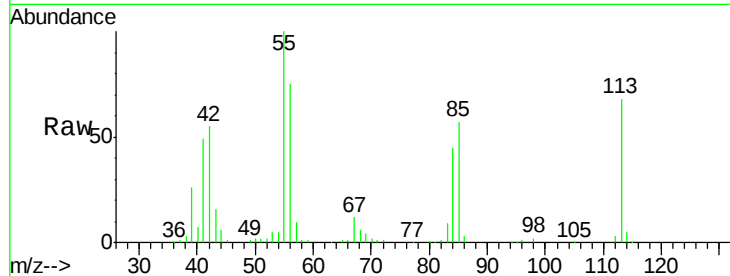
#35
 Caprolactam
 Concen: 52.88 ng m
 RT: 8.57 min Scan# 585
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BS

Tgt Ion	Ratio	Lower	Upper
113	100		
55	148.0	150.2	190.2#
56	111.5	107.8	147.8

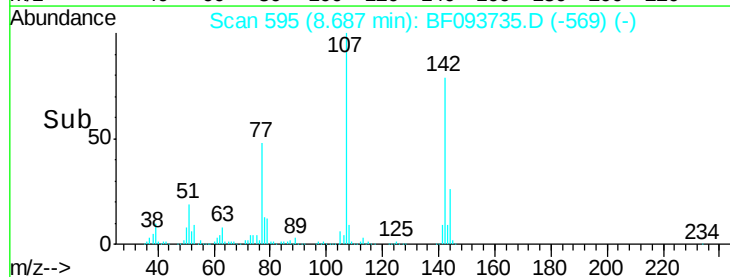
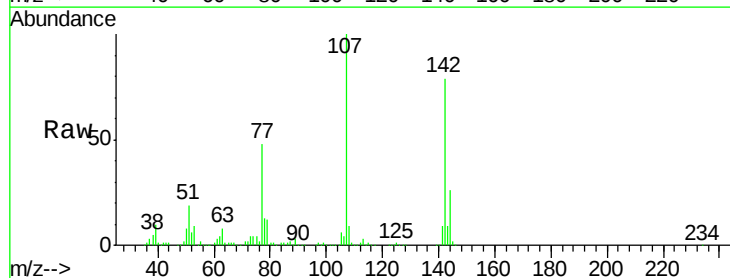
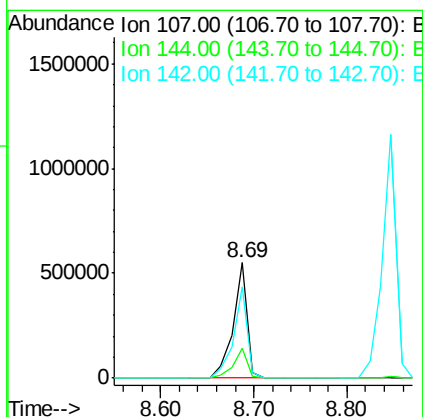
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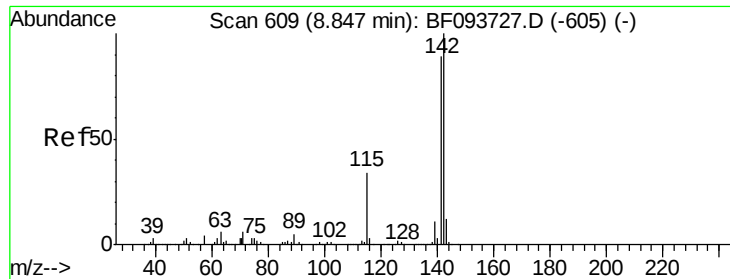
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 49.96 ng
 RT: 8.69 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.6	24.2	36.4
142	79.5	73.4	110.0





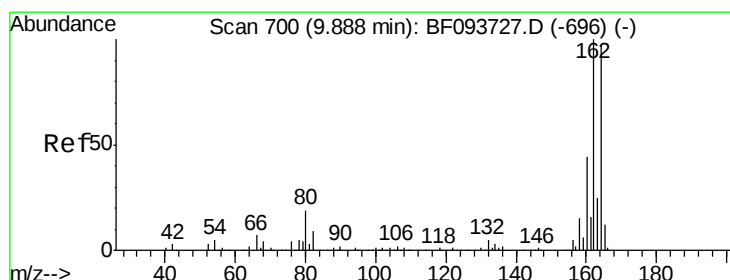
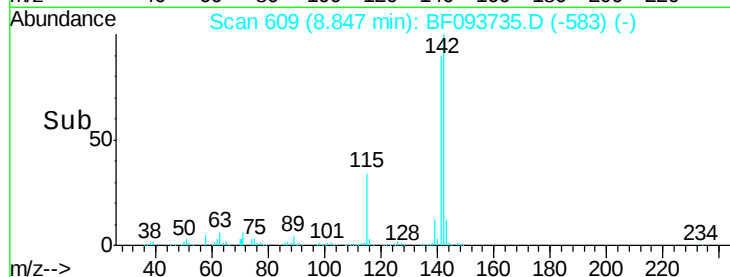
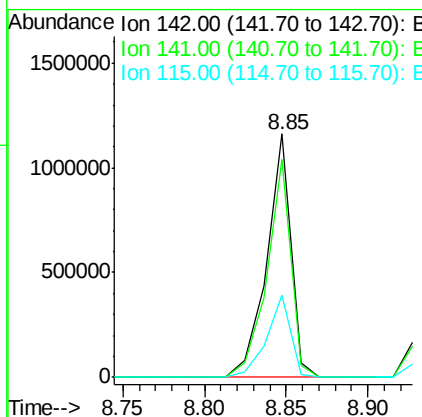
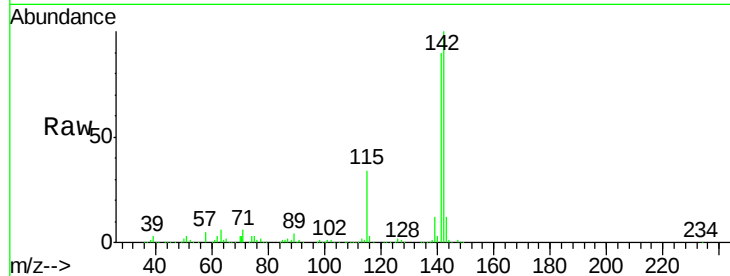
#37
2-Methylnaphthalene
Concen: 46.09 ng
RT: 8.85 min Scan# 609
Delta R.T. 0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.3	106.9
115	33.9	27.1	40.7

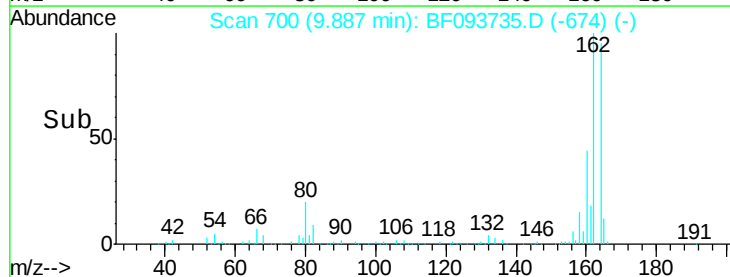
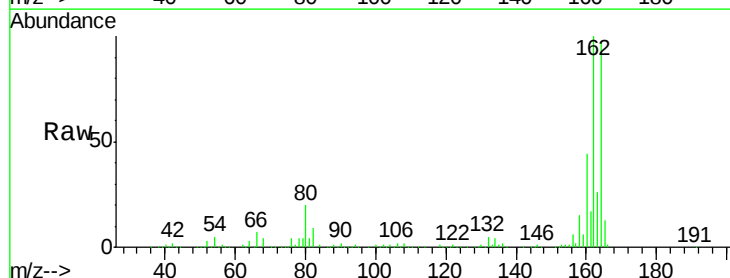
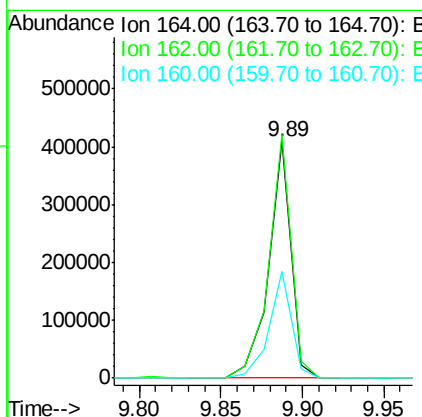
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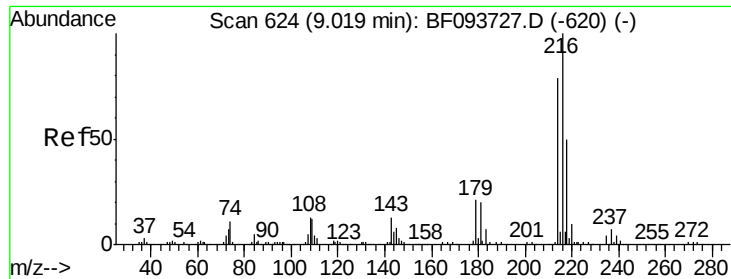
mohammad
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 700
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.6	123.8
160	45.1	36.2	54.2





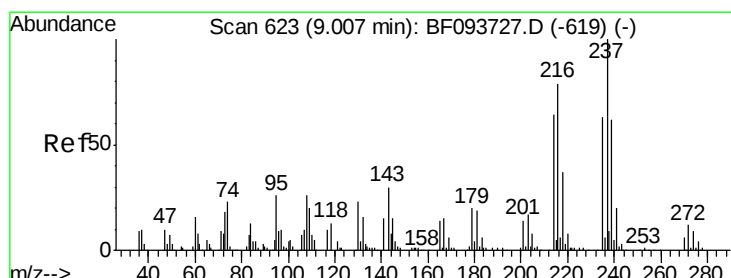
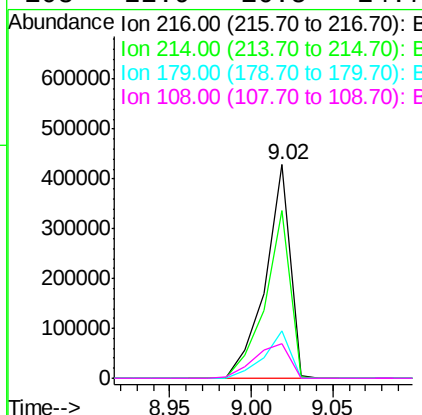
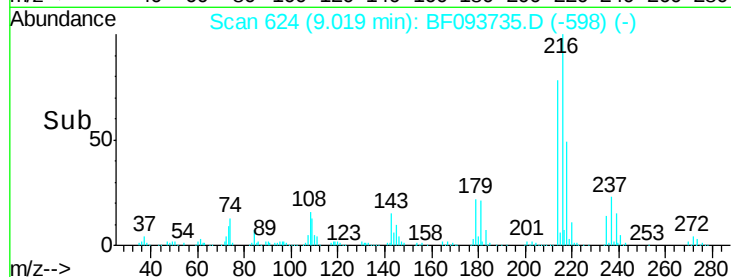
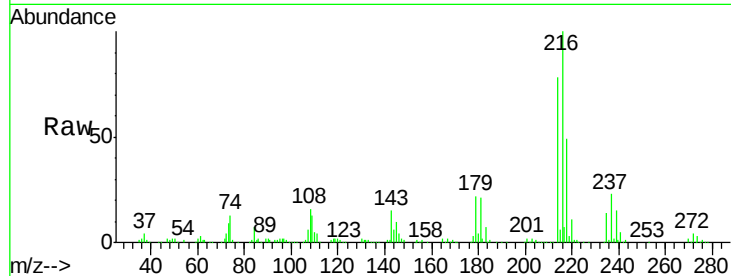
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 49.80 ng
 RT: 9.02 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BS

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.2
179	22.8	17.9	26.9
108	22.9	16.5	24.7

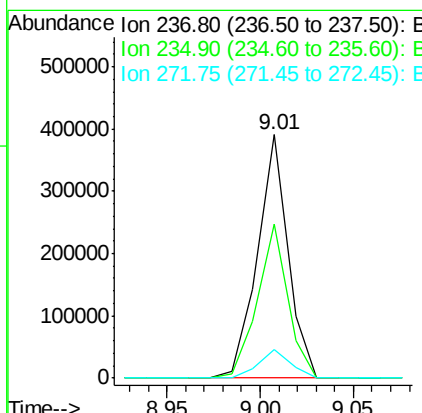
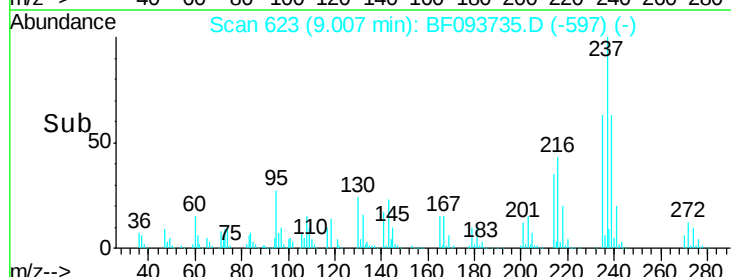
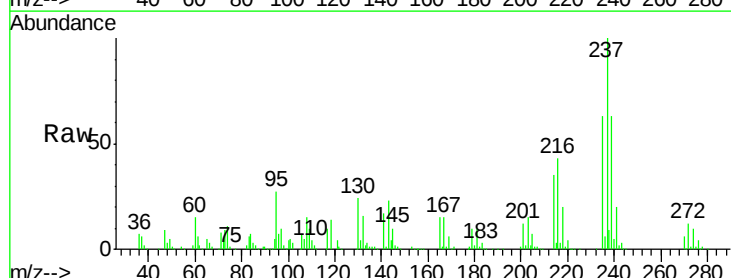
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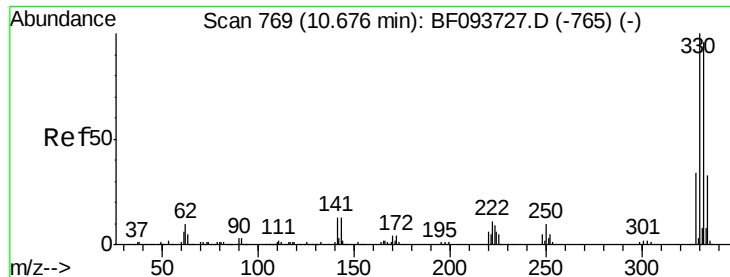
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#40
 Hexachlorocyclopentadiene
 Concen: 97.15 ng
 RT: 9.01 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.2	42.6	82.6
272	11.9	0.0	31.9





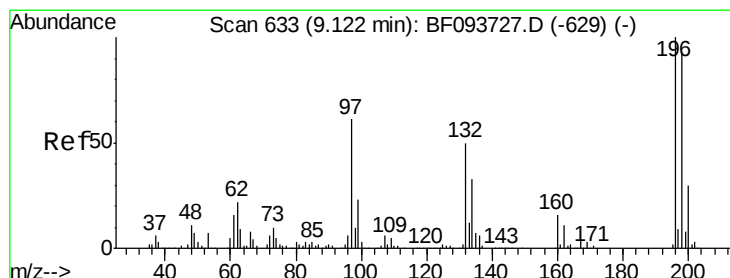
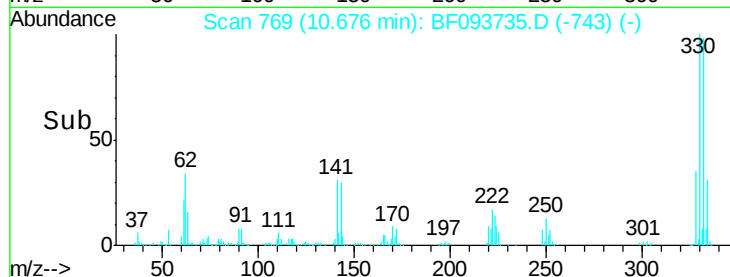
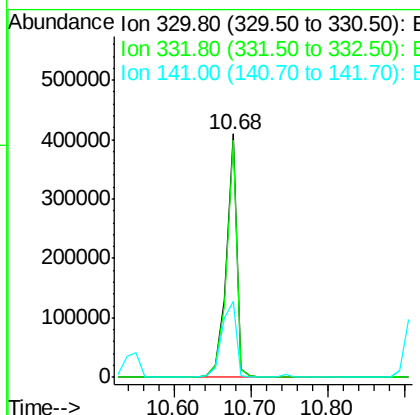
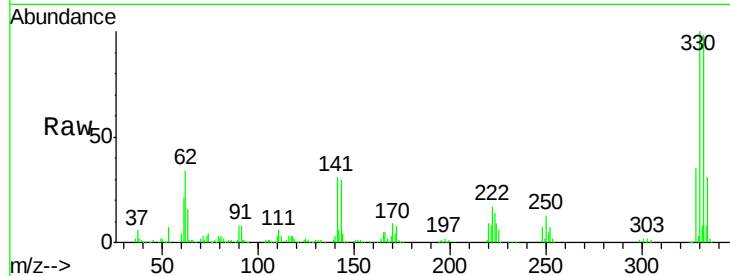
#41
 2,4,6-Tribromophenol
 Concen: 157.57 ng
 RT: 10.68 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	400333		
332	96.4	76.6	115.0	
141	43.1	31.4	47.2	

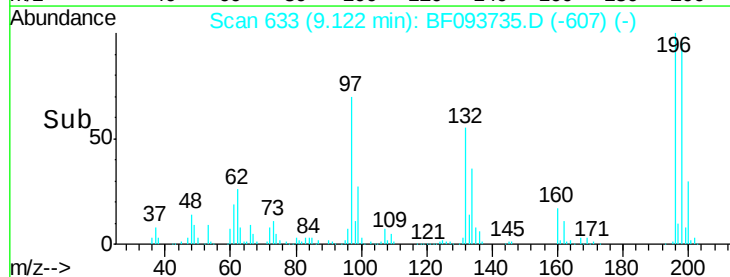
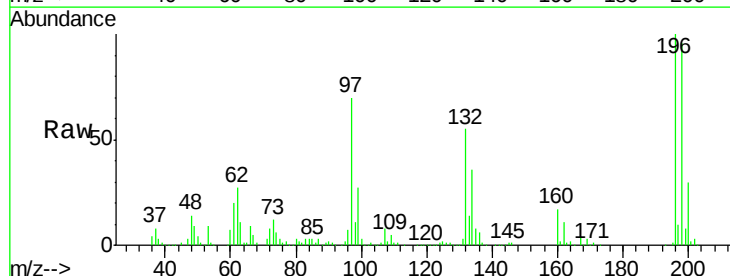
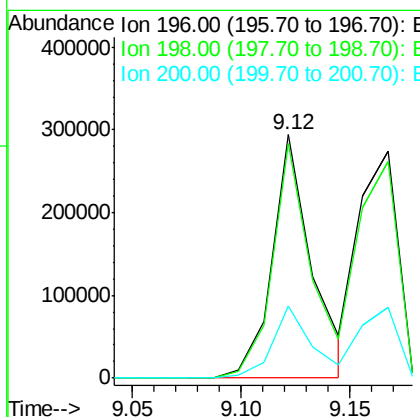
Manual Integrations
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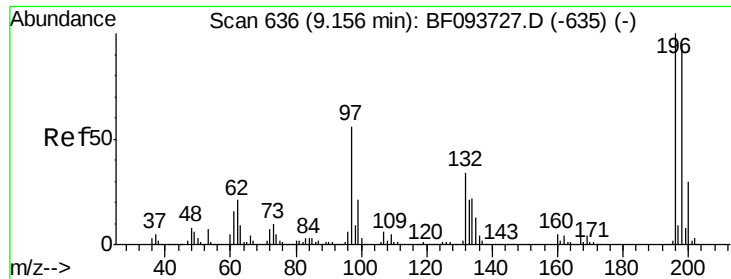
mohammad
 3/20/2017 12:58:23 PM



#42
 2,4,6-Trichlorophenol
 Concen: 55.88 ng
 RT: 9.12 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

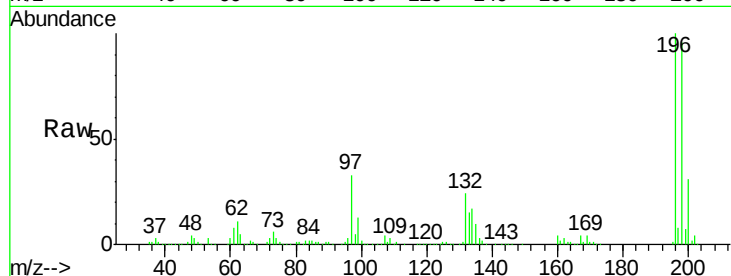
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	374569		
198	96.4	74.2	111.4	
200	29.7	24.0	36.0	





#43
 2,4,5-Trichlorophenol
 Concen: 50.22 ng
 RT: 9.17 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

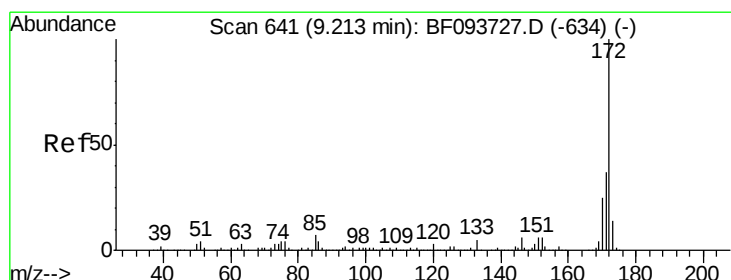
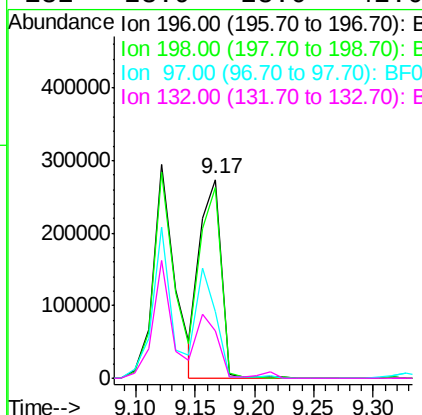
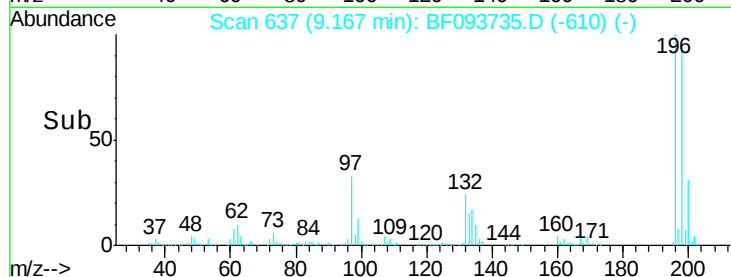
Instrument :
 BNA_F
 ClientSampleId :
 PB97674BS



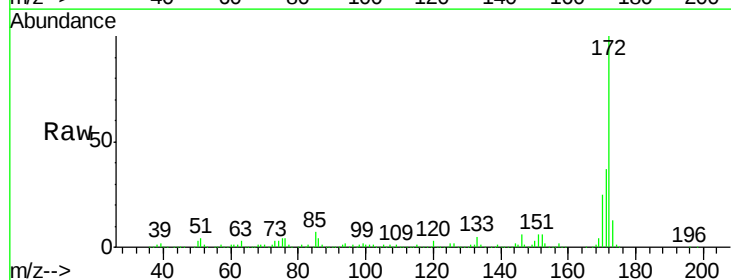
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	347065		
198	95.7	75.7	113.5	
97	33.3	47.7	71.5	
132	23.9	28.0	42.0	

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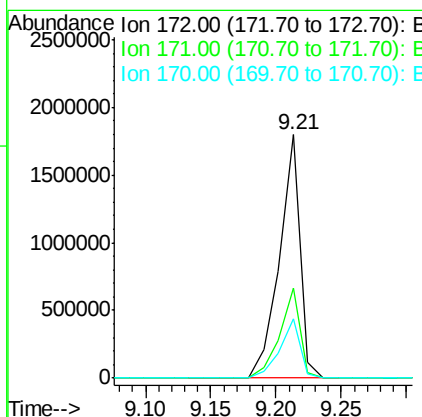
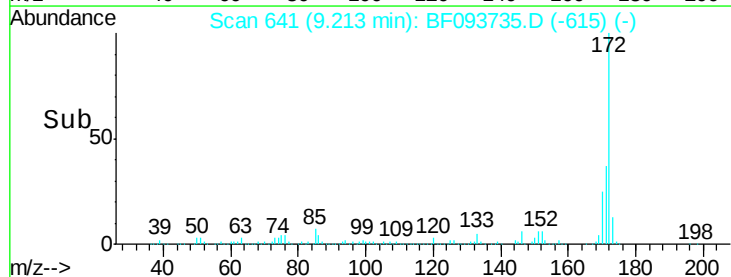
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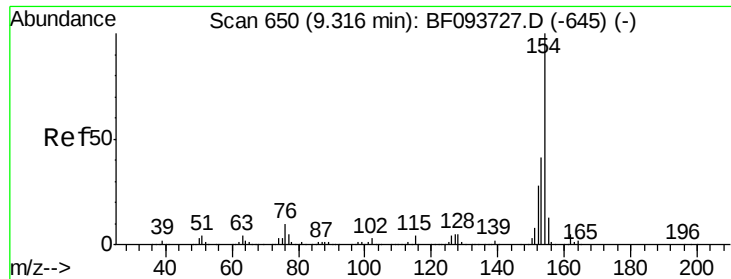


#44
 2-Fluorobiphenyl
 Concen: 97.46 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2005000		
171	36.8	29.6	44.4	
170	24.6	19.8	29.8	





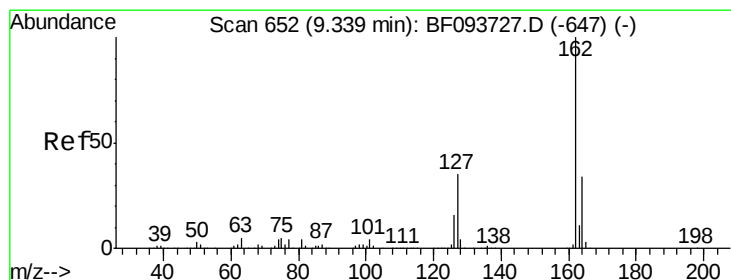
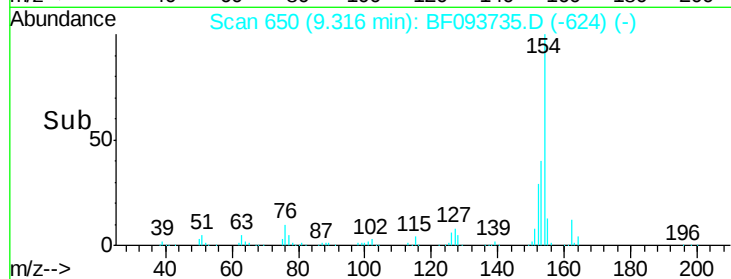
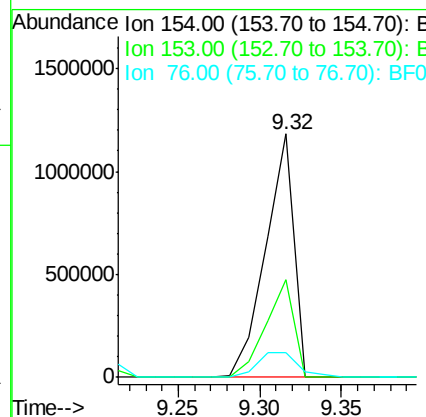
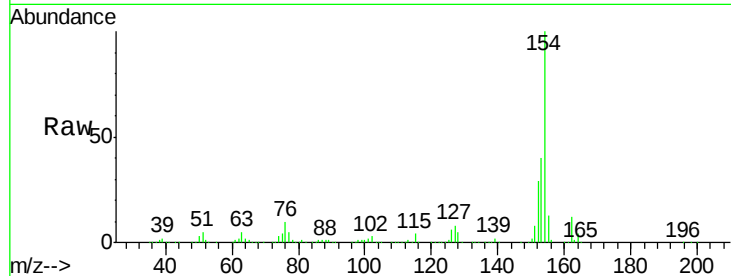
#45
 1,1'-Biphenyl
 Concen: 52.34 ng
 RT: 9.32 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BS

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.1	21.2	61.2
76	10.2	0.0	29.9

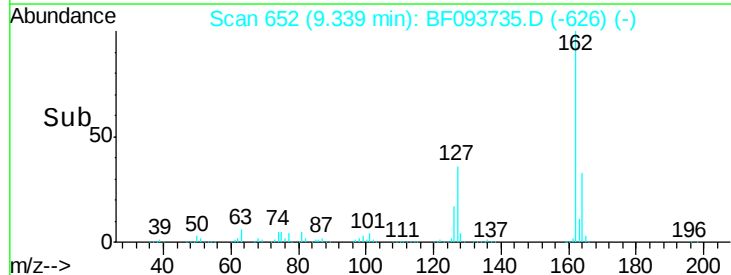
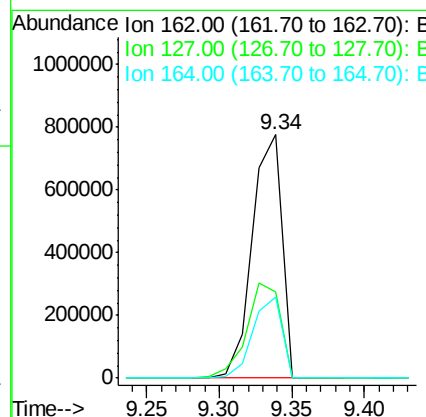
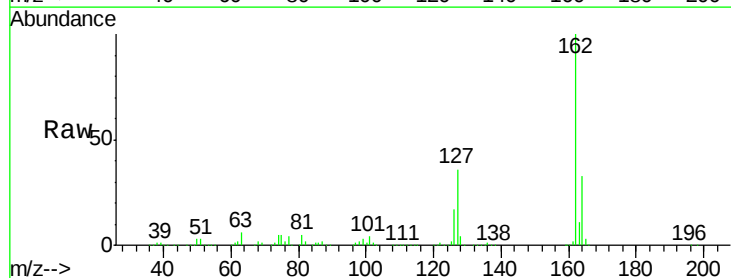
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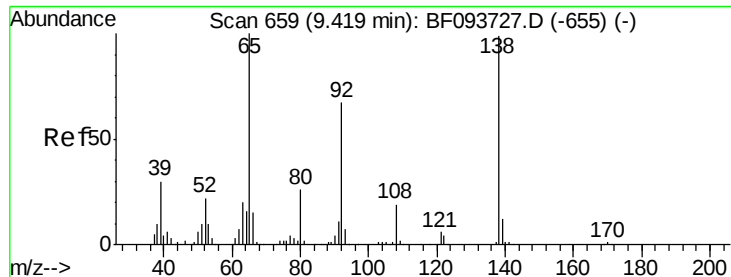
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#46
 2-Chloronaphthalene
 Concen: 50.34 ng
 RT: 9.34 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
162	100		
127	35.5	28.3	42.5
164	33.5	27.0	40.4





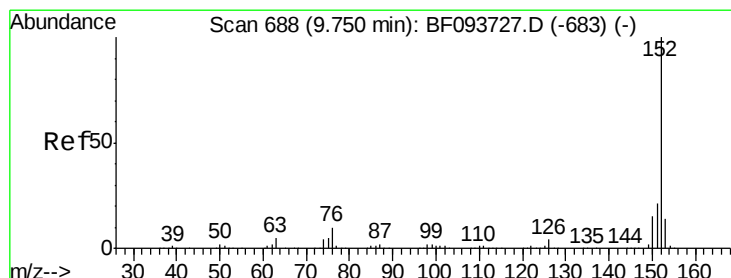
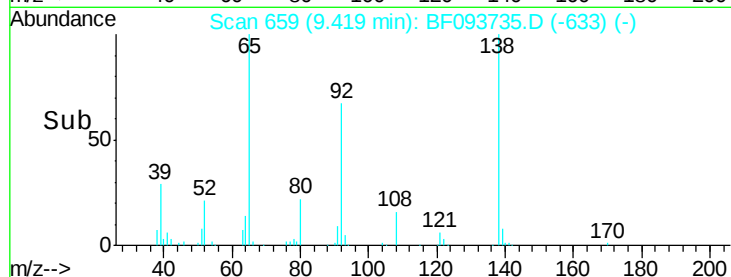
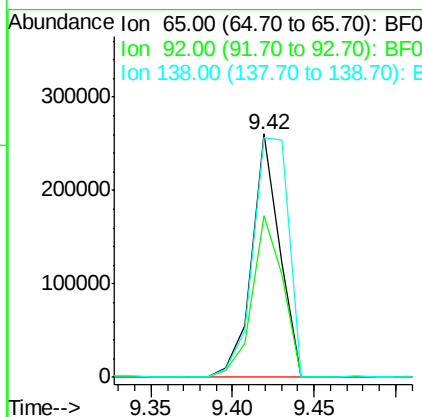
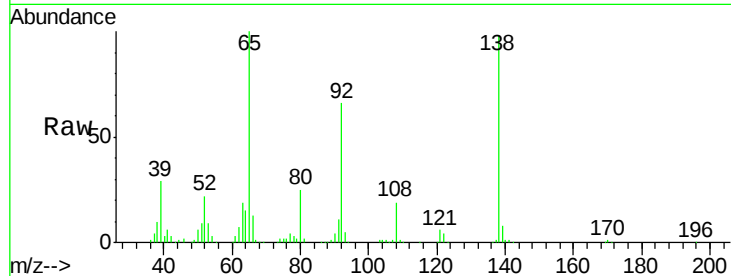
#47
2-Nitroaniline
Concen: 48.84 ng
RT: 9.42 min Scan# 659
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.4	53.9	80.9
138	98.4	78.8	118.2

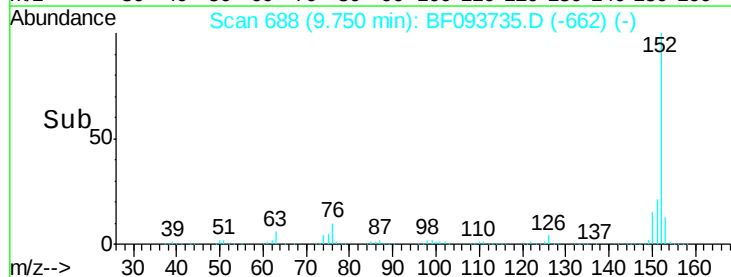
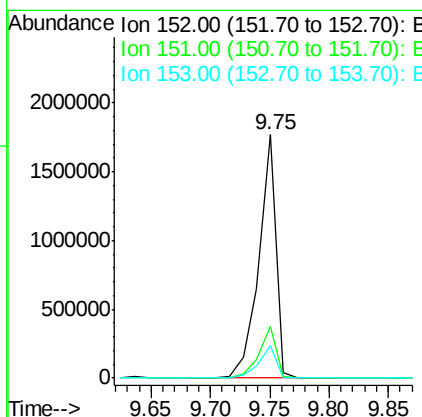
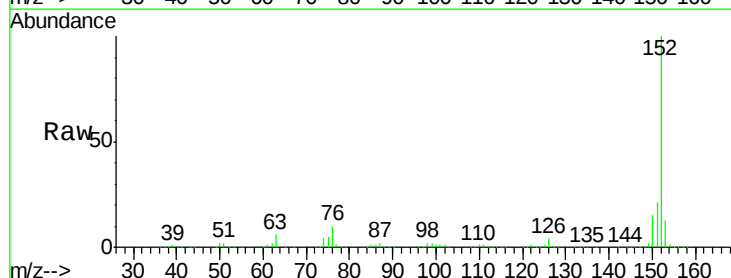
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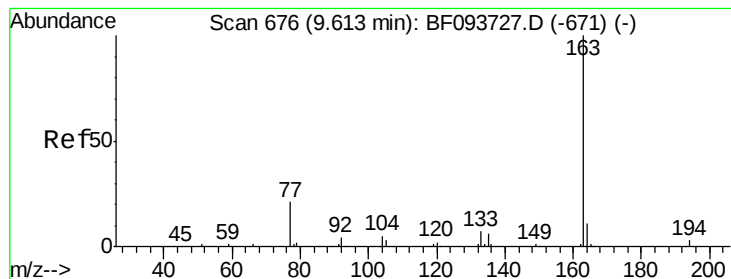
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#48
Acenaphthylene
Concen: 50.27 ng
RT: 9.75 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.8	25.2
153	13.4	10.8	16.2





#49

Dimethylphthalate

Concen: 47.41 ng

RT: 9.61 min Scan# 676

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

ClientSampleId :

PB97674BS

Tgt Ion:163 Resp: 1202105

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

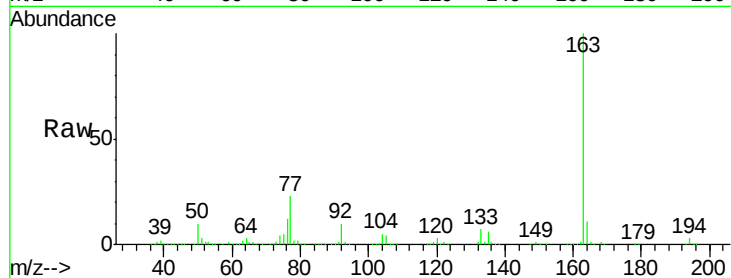
164 10.7 8.4 12.6

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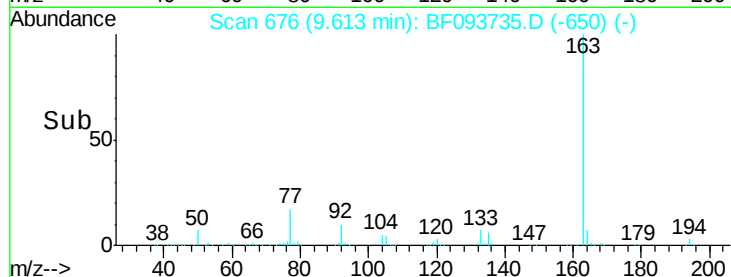


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

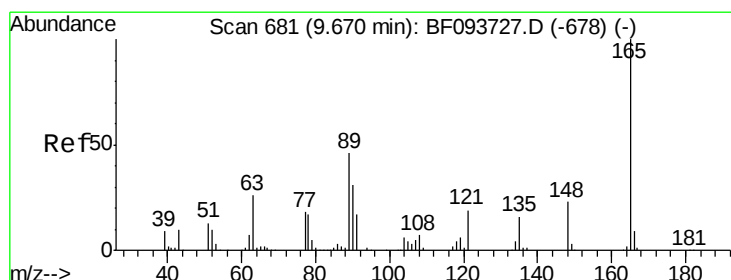
Ion 164.00 (163.70 to 164.70): E

Time-->



Abundance

Time-->



#50

2,6-Dinitrotoluene

Concen: 57.45 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

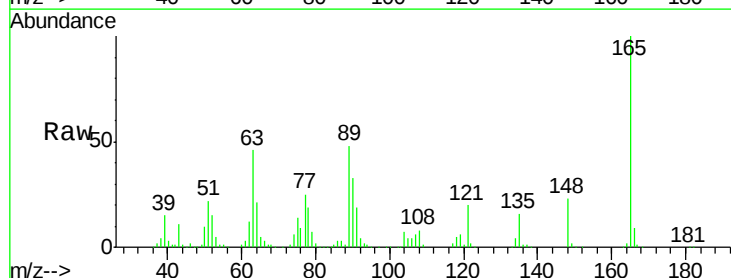
Tgt Ion:165 Resp: 314680

Ion Ratio Lower Upper

165 100

63 45.9 34.3 51.5

89 48.4 37.1 55.7

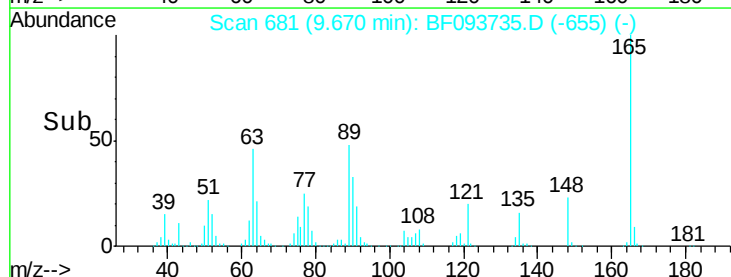


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

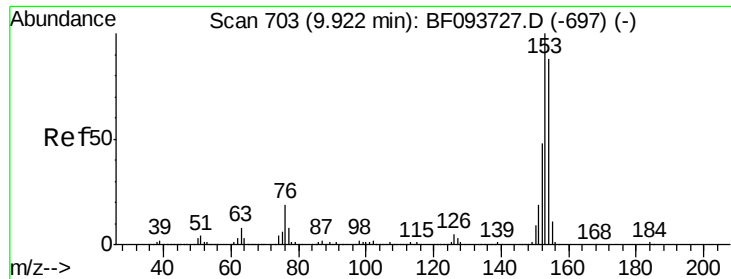
Ion 89.00 (88.70 to 89.70): BF0

Time-->



Abundance

Time-->



#51

Acenaphthene

Concen: 55.79 ng

RT: 9.92 min Scan# 703

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

ClientSampleId :

PB97674BS

Tgt Ion:154 Resp: 1171194

Ion Ratio Lower Upper

154 100

153 111.4 90.5 135.7

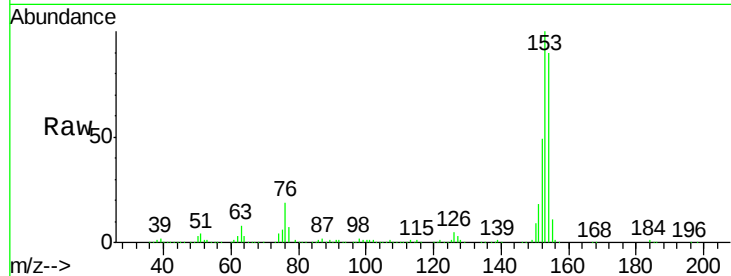
152 54.3 43.6 65.4

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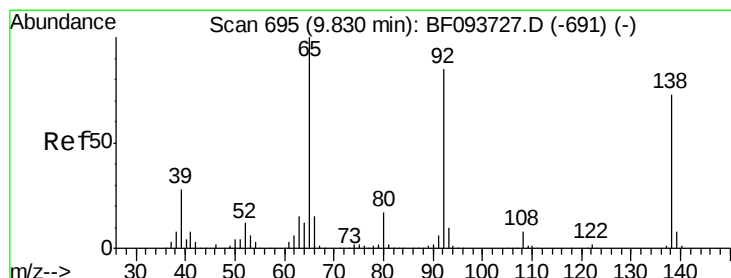
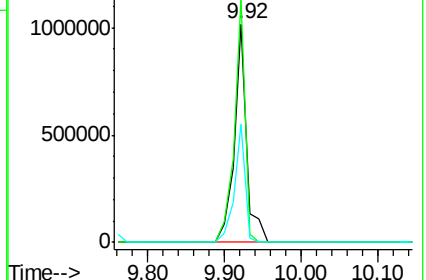
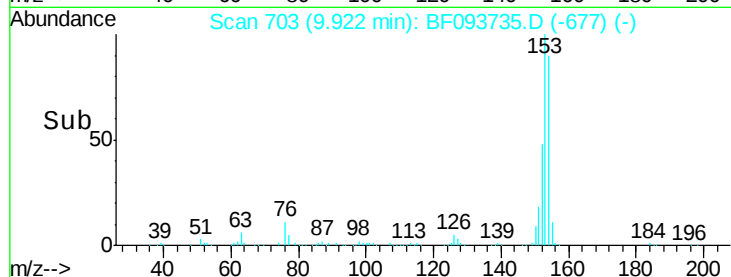
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.38 ng

RT: 9.83 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

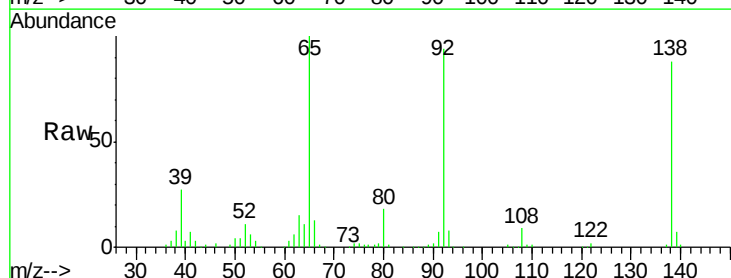
Tgt Ion:138 Resp: 119412

Ion Ratio Lower Upper

138 100

108 10.1 9.1 13.7

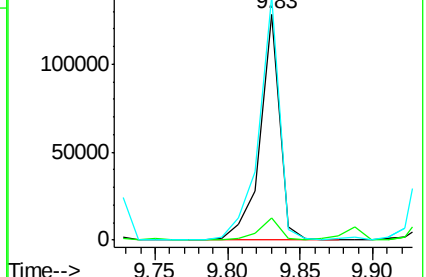
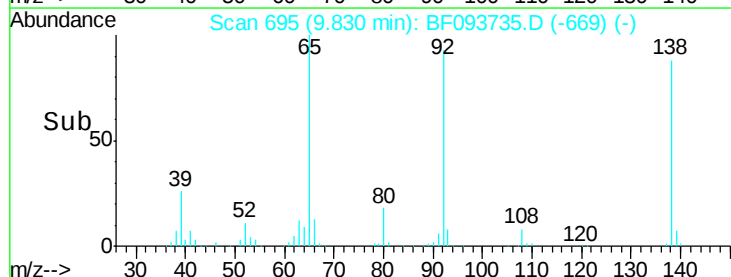
92 107.7 93.8 140.6

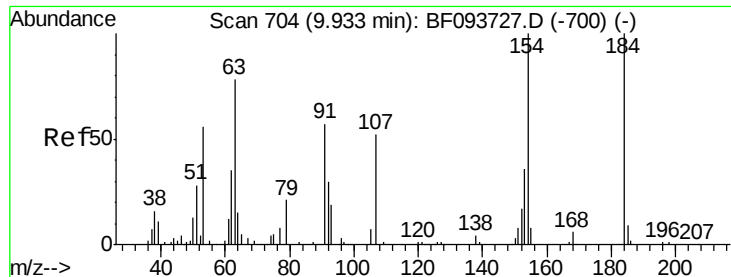


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





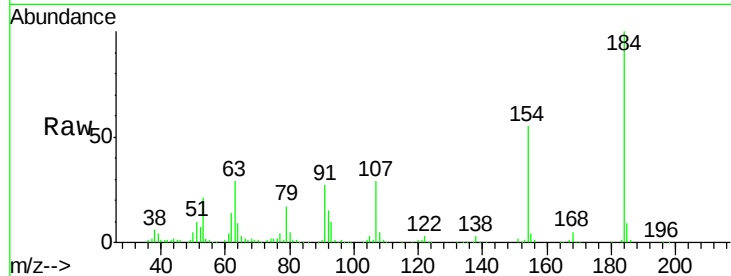
#53
2,4-Dinitrophenol
Concen: 97.47 ng
RT: 9.94 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampled :
PB97674BS

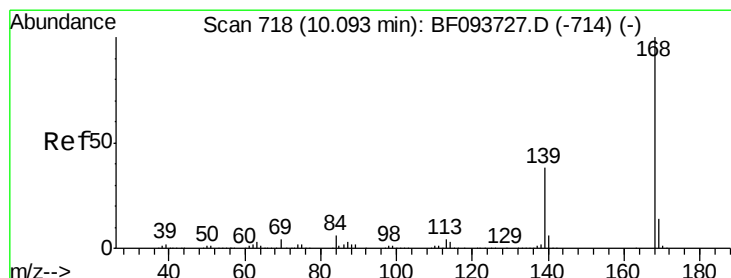
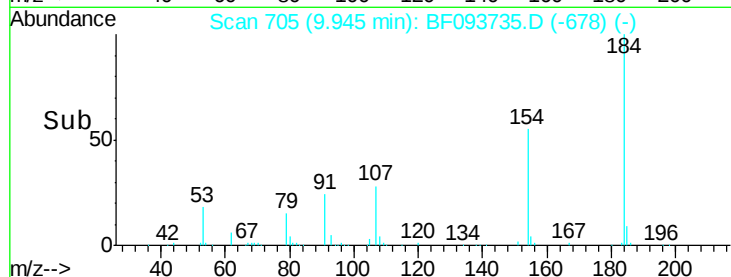
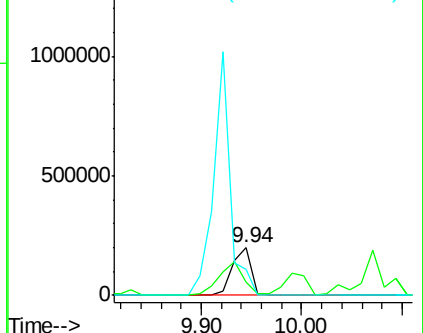
Tgt Ion:184 Resp: 257052
Ion Ratio Lower Upper
184 100
63 28.9 62.7 94.1#
154 55.1 81.1 121.7#

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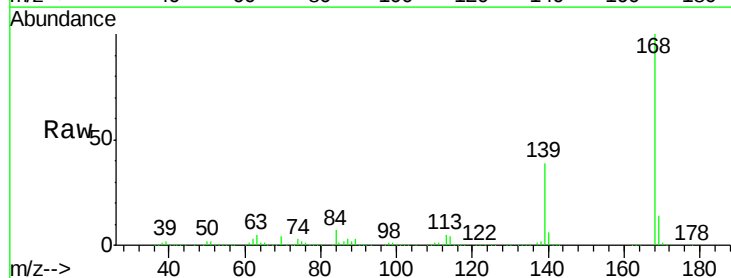


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

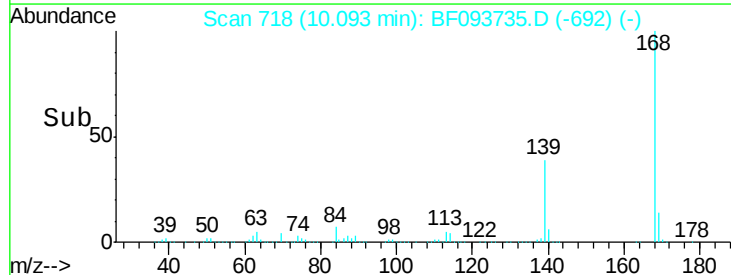
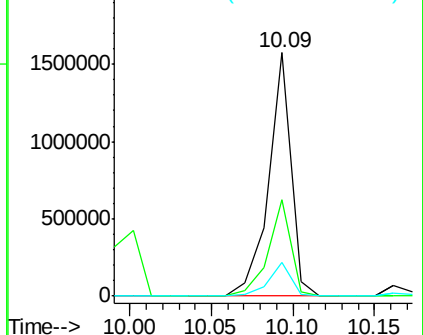


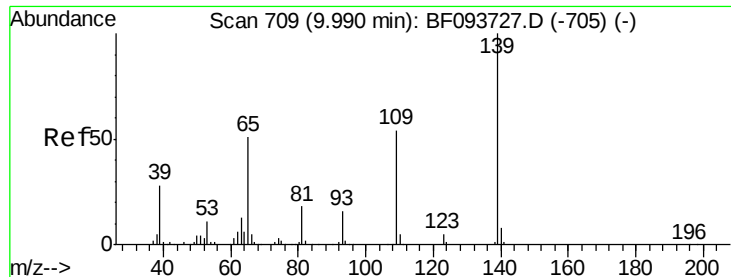
#54
Dibenzofuran
Concen: 52.82 ng
RT: 10.09 min Scan# 718
Delta R.T. 0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion:168 Resp: 1507176
Ion Ratio Lower Upper
168 100
139 39.4 30.6 45.8
169 13.8 10.8 16.2



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





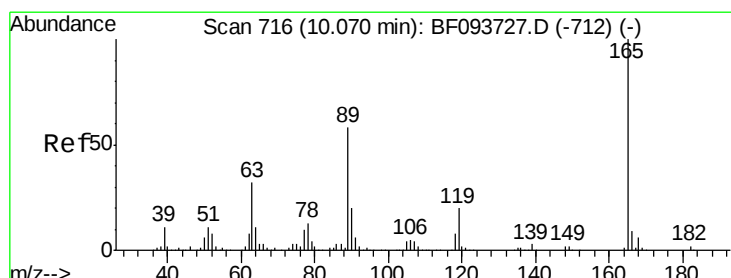
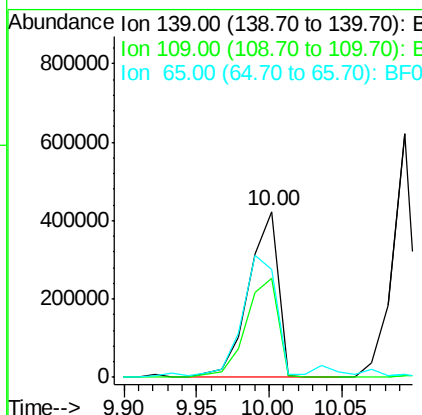
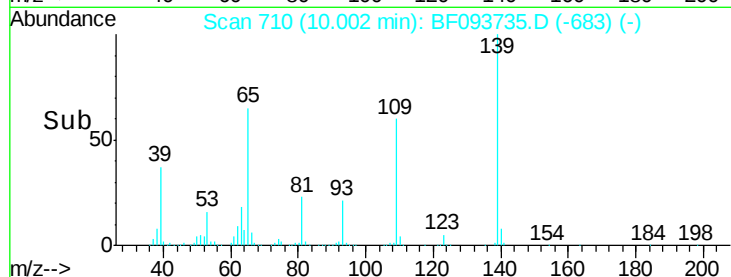
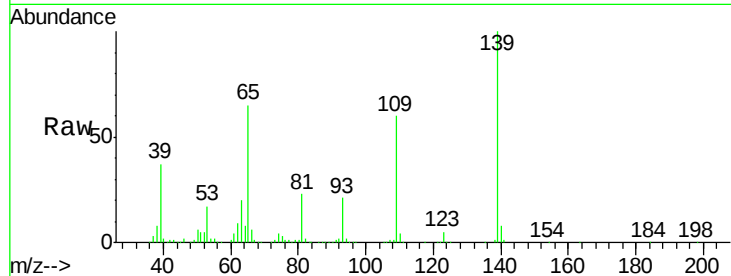
#55
4-Nitrophenol
Concen: 122.04 ng
RT: 10.00 min Scan# 710
Delta R.T. 0.01 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	598296		
109	59.7	34.1	74.1	
65	65.4	31.4	71.4	

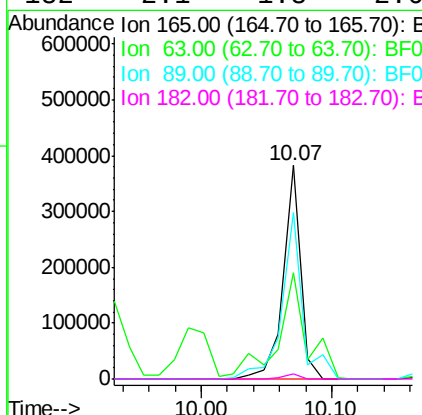
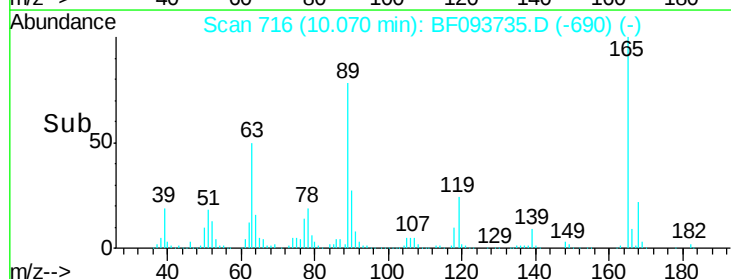
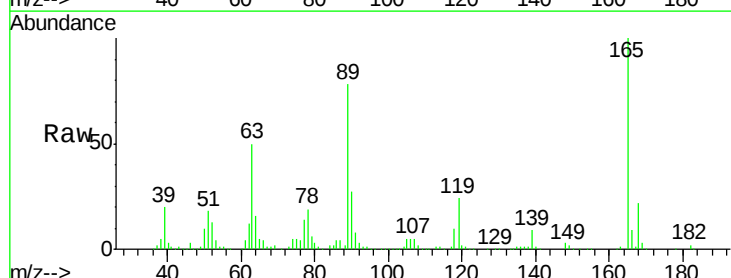
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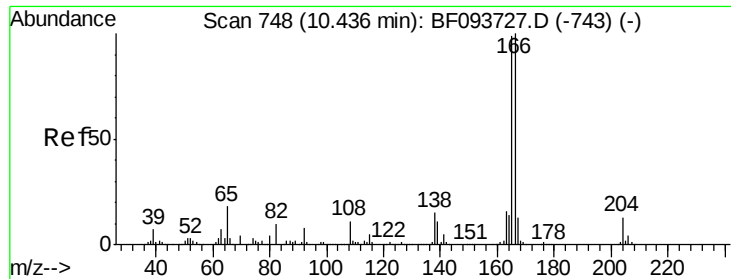
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#56
2,4-Dinitrotoluene
Concen: 49.30 ng
RT: 10.07 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	359416		
63	49.6	25.4	38.0#	
89	77.9	46.4	69.6#	
182	2.1	1.8	2.6	





#57

Fluorene

Concen: 48.68 ng

RT: 10.44 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

ClientSampleId :

PB97674BS

Tgt Ion:166 Resp: 1126832

Ion Ratio Lower Upper

166 100

165 99.2 78.8 118.2

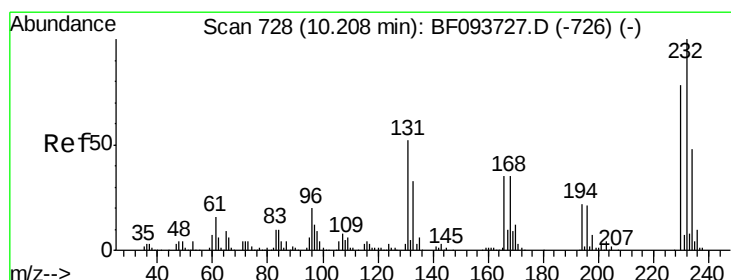
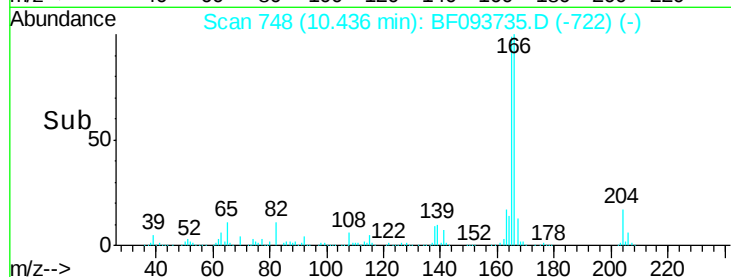
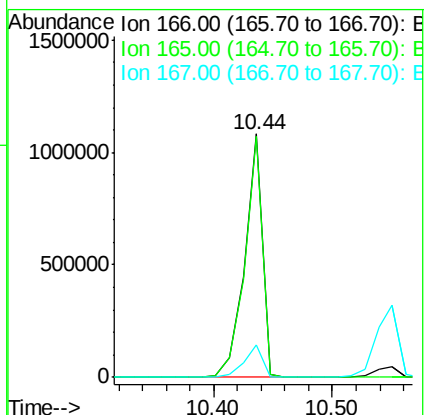
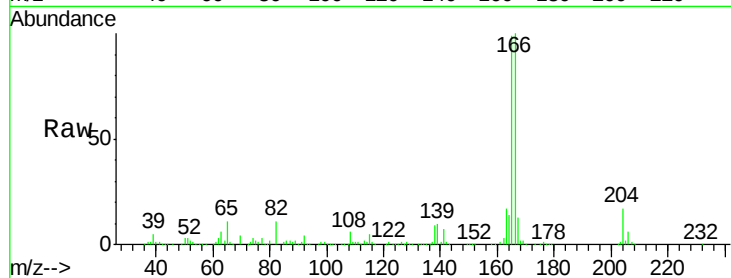
167 13.4 10.6 16.0

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#58

2,3,4,6-Tetrachlorophenol

Concen: 56.51 ng

RT: 10.21 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Tgt Ion:232 Resp: 268539

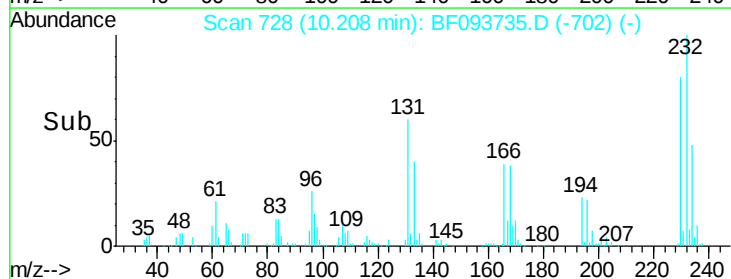
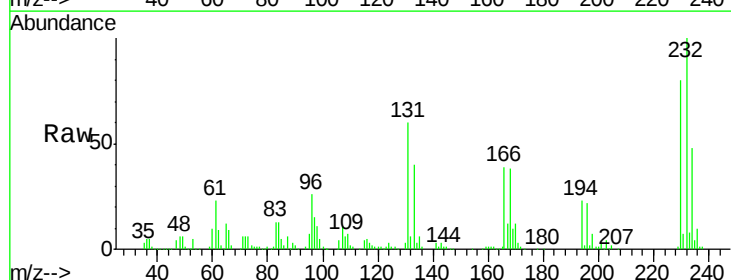
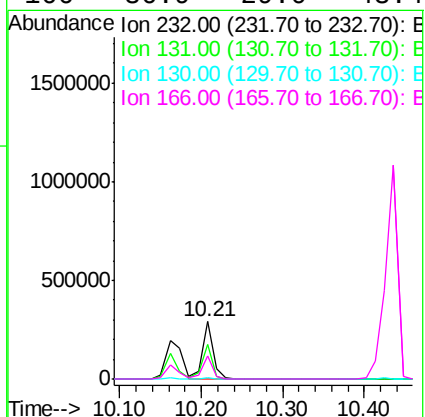
Ion Ratio Lower Upper

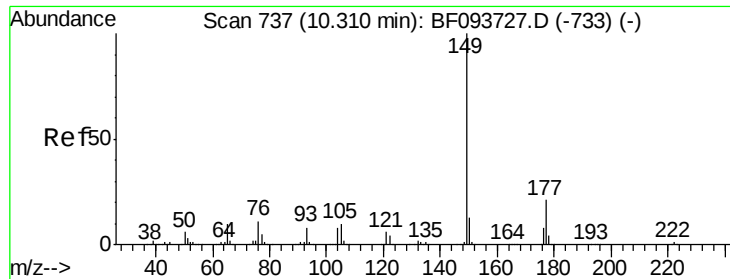
232 100

131 58.3 44.8 67.2

130 2.7 2.3 3.5

166 36.9 29.0 43.4





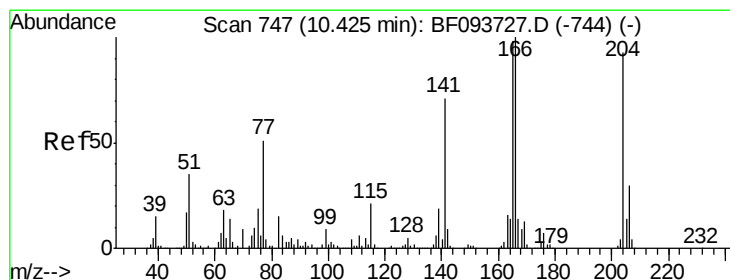
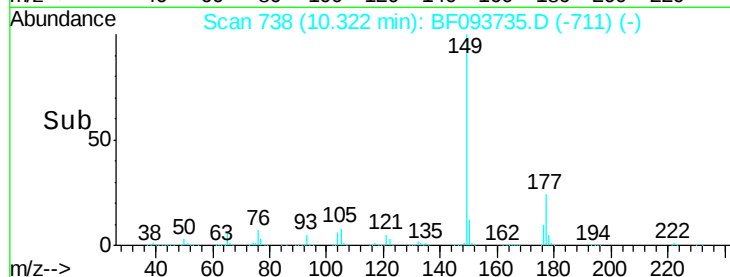
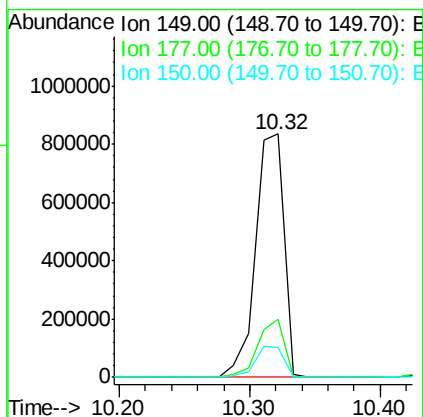
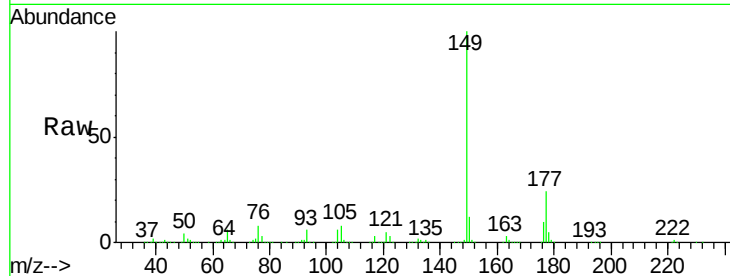
#59
Diethylphthalate
Concen: 52.68 ng
RT: 10.32 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion:149 Resp: 1271420
Ion Ratio Lower Upper
149 100
177 23.9 16.7 25.1
150 12.3 10.2 15.2

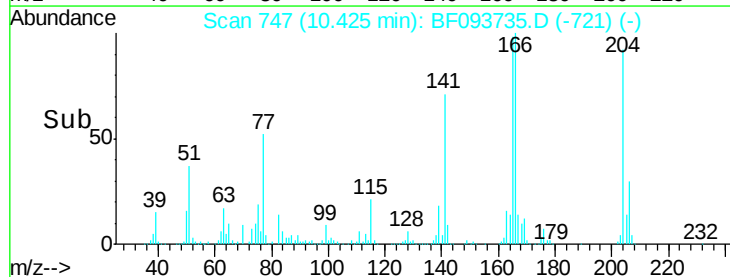
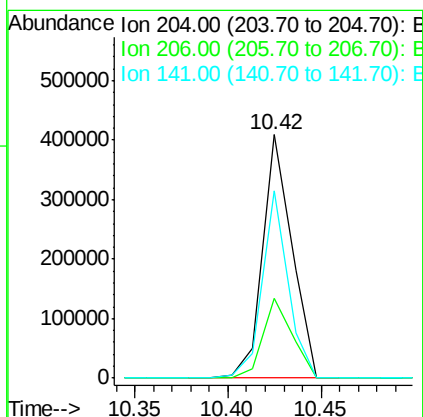
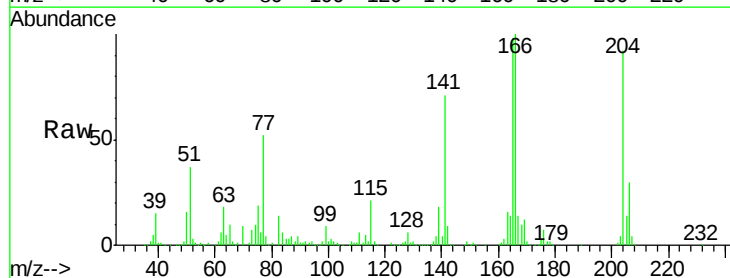
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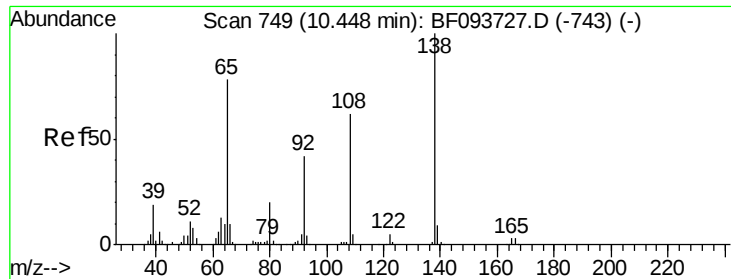
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 45.43 ng
RT: 10.42 min Scan# 747
Delta R.T. 0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion:204 Resp: 443084
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.2
141 77.1 60.8 91.2





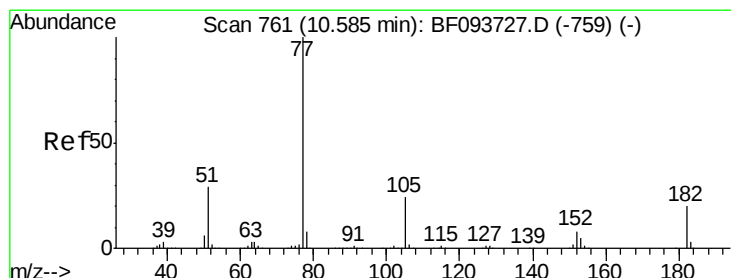
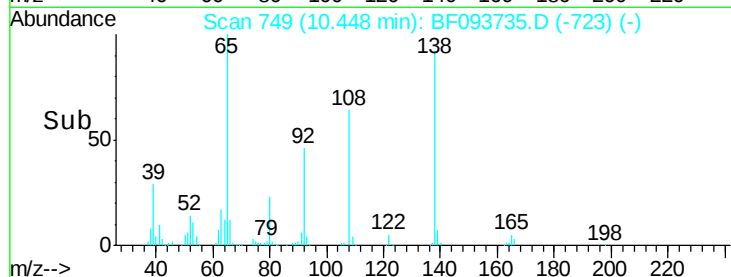
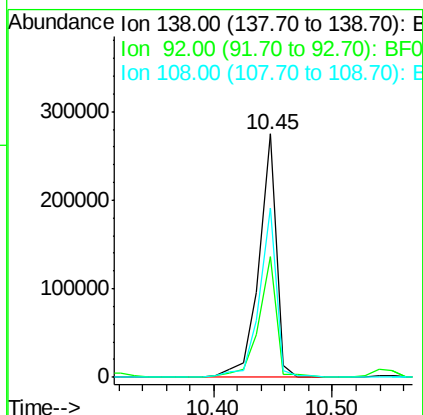
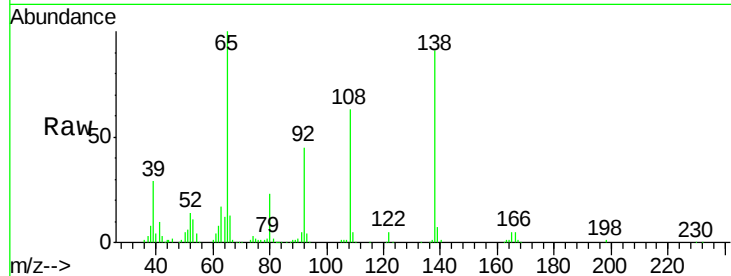
#61
4-Nitroaniline
Concen: 47.19 ng
RT: 10.45 min Scan# 749
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	285363		
92	49.5	21.8	61.8	
108	69.3	42.3	82.3	

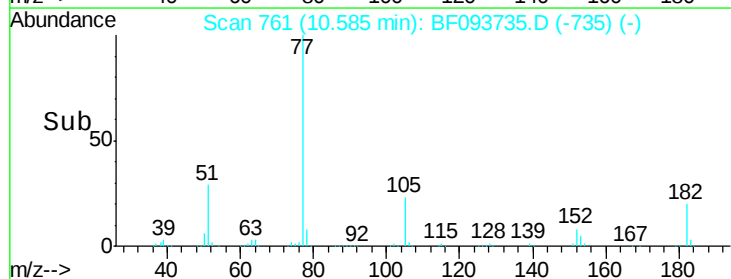
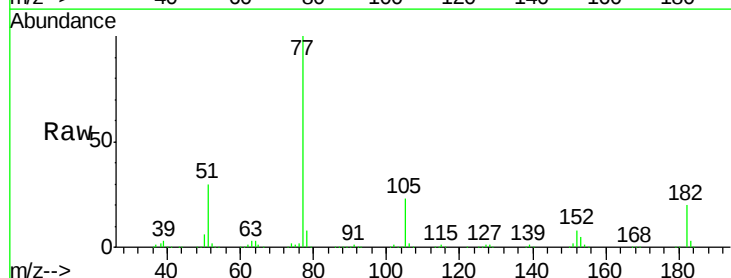
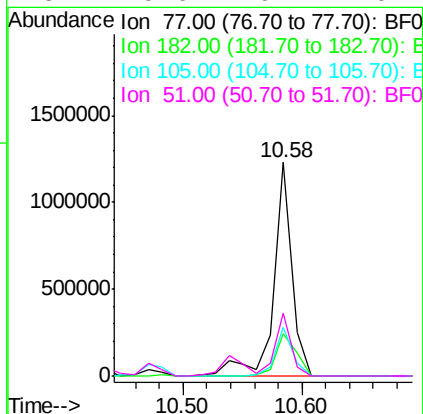
Manual Integrations
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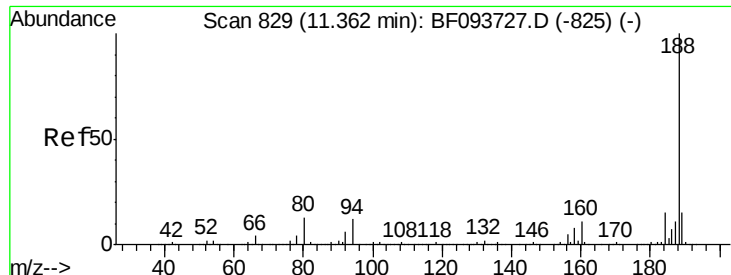
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#62
Azobenzene
Concen: 54.27 ng
RT: 10.58 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1323497		
182	19.9	0.1	40.1	
105	23.1	3.6	43.6	
51	29.6	9.4	49.4	





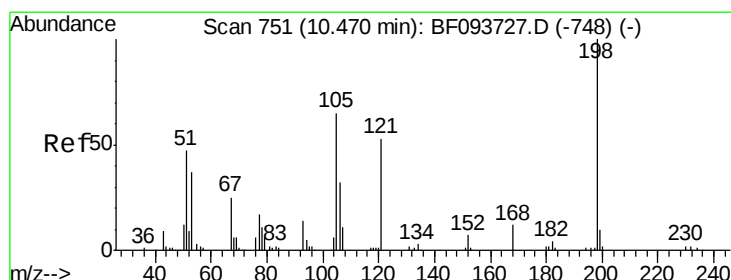
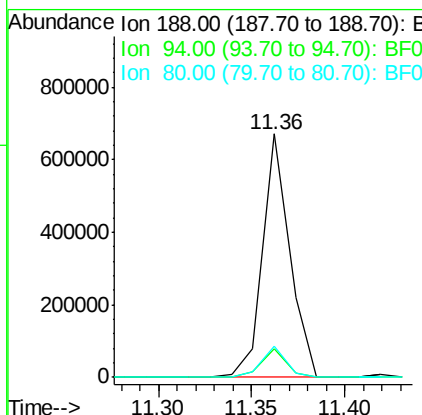
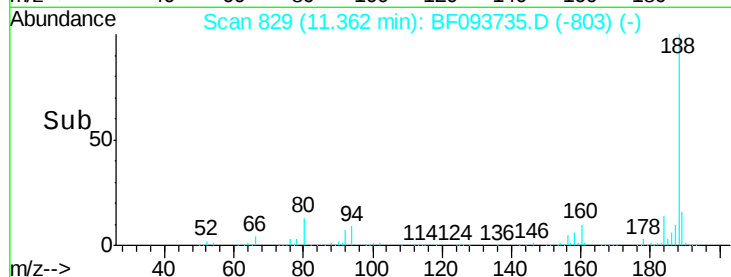
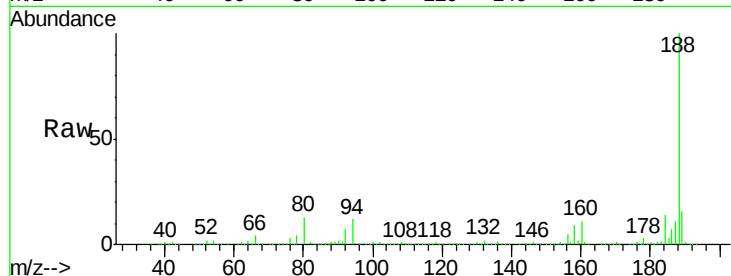
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.0	9.4	14.2
80	13.0	10.2	15.2

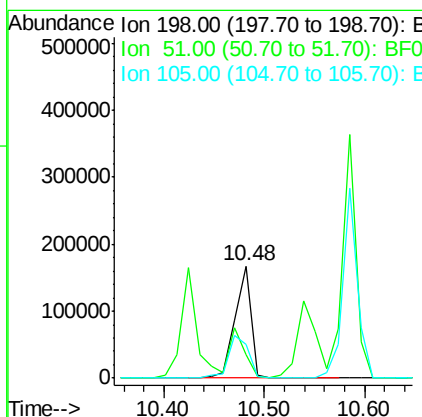
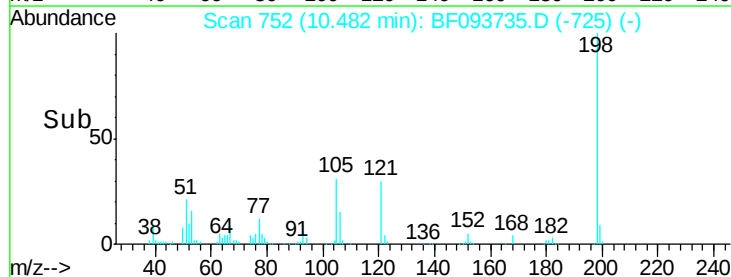
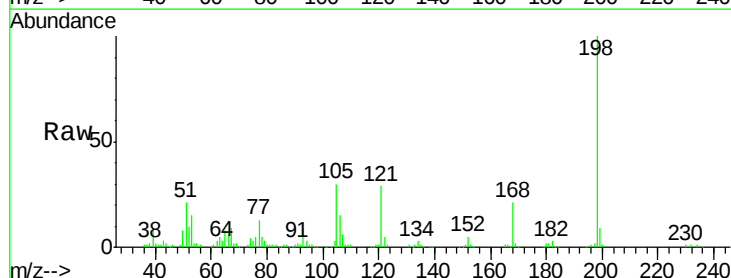
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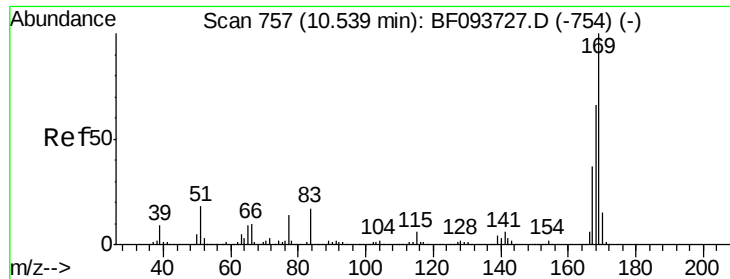
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#64
4,6-Dinitro-2-methylphenol
Concen: 51.77 ng
RT: 10.48 min Scan# 752
Delta R.T. 0.01 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	20.9	53.2	93.2#
105	29.9	45.8	85.8#





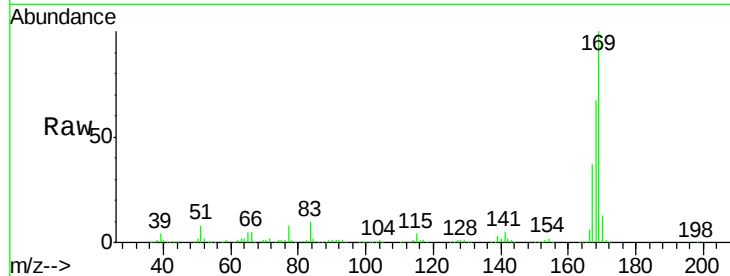
#65
n-Nitrosodiphenylamine
Concen: 48.23 ng
RT: 10.55 min Scan# 758
Delta R.T. 0.01 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

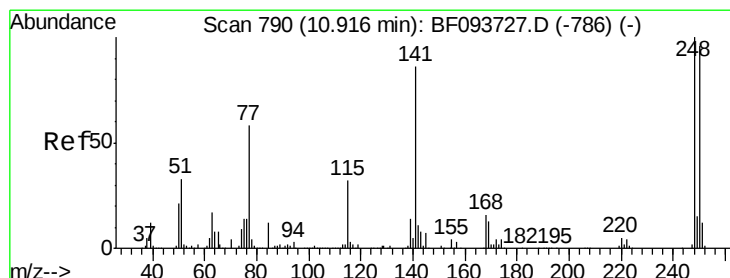
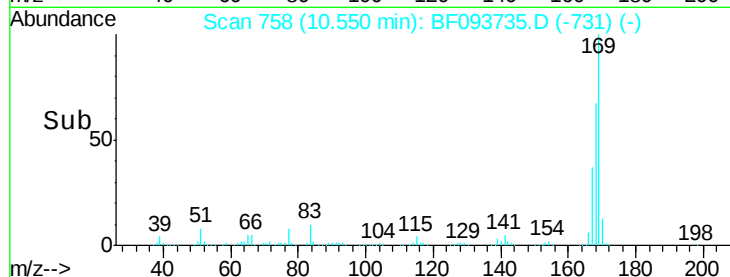
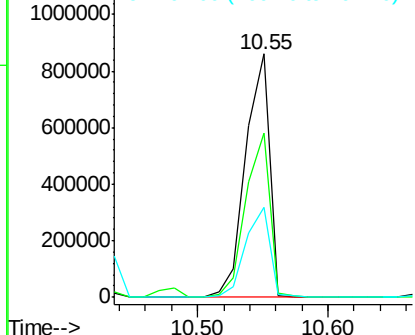
Tgt Ion:169 Resp: 1095073
Ion Ratio Lower Upper
169 100
168 67.4 53.2 79.8
167 37.1 29.5 44.3

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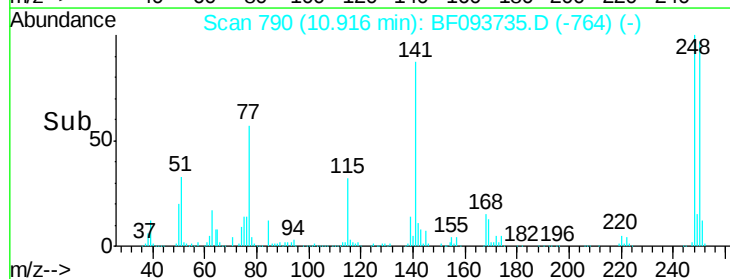
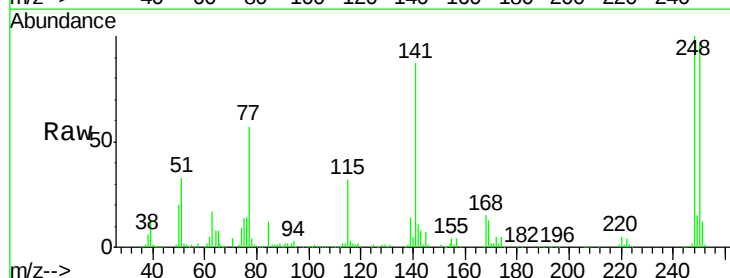
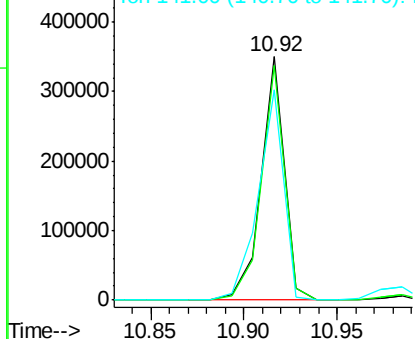
Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

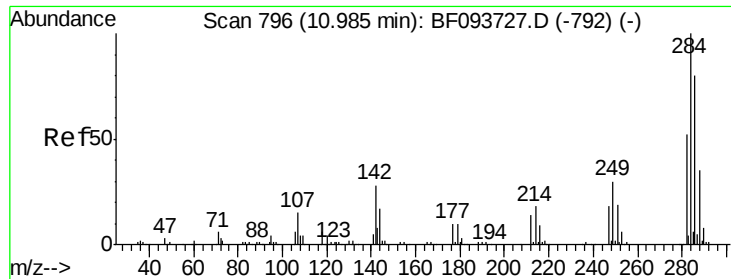


#66
4-Bromophenyl-phenylether
Concen: 47.07 ng
RT: 10.92 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion:248 Resp: 299256
Ion Ratio Lower Upper
248 100
250 96.6 76.8 115.2
141 86.6 68.6 103.0

Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





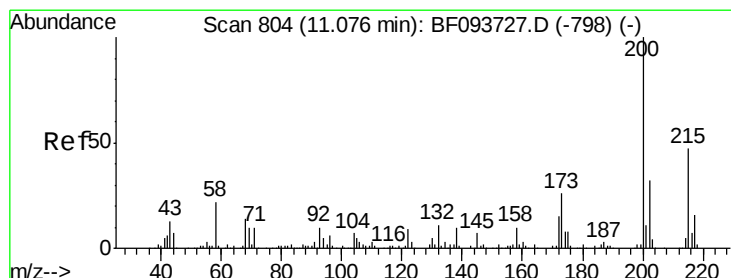
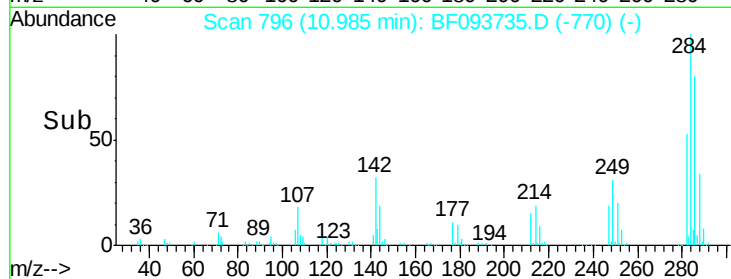
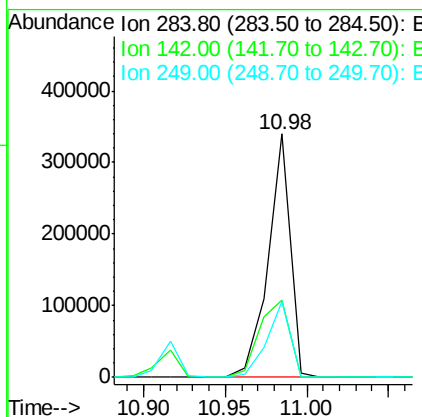
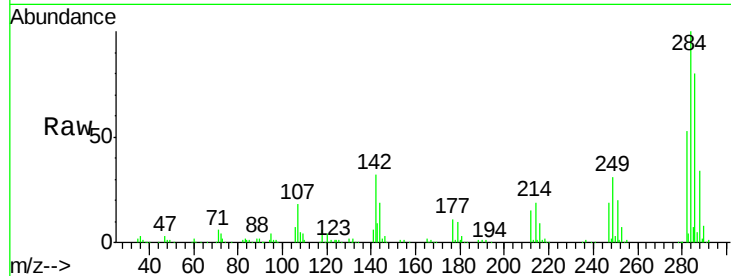
#67
Hexachlorobenzene
Concen: 48.36 ng
RT: 10.98 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampleId :
PB97674BS

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	321374		
142	31.8	22.8	34.2	
249	31.4	24.0	36.0	

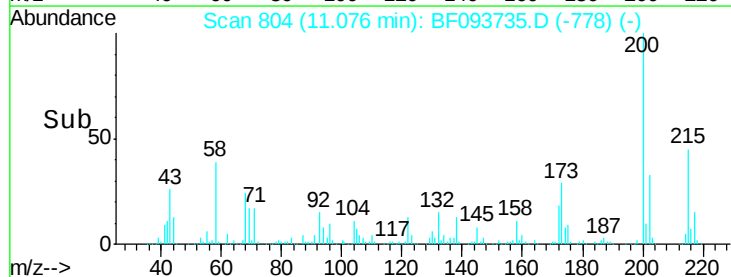
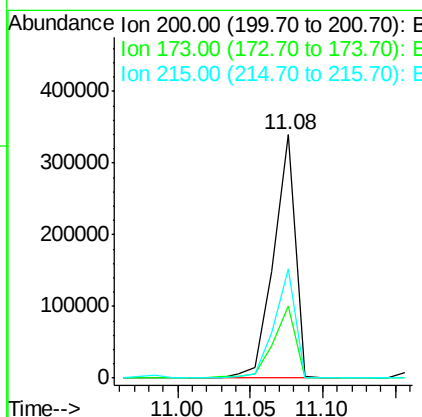
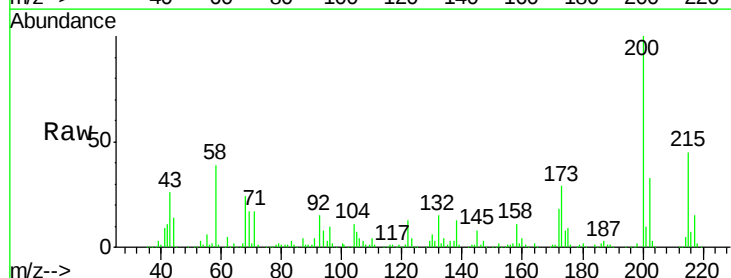
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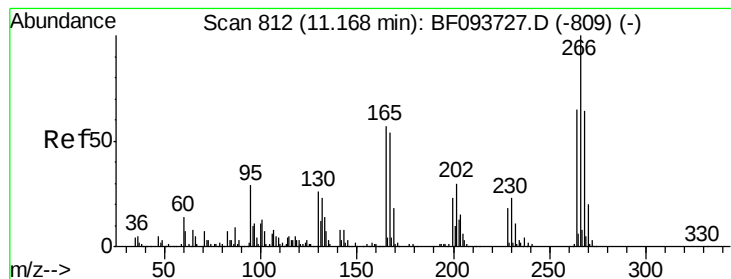
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#68
Atrazine
Concen: 53.66 ng
RT: 11.08 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	350844		
173	29.4	6.3	46.3	
215	44.7	27.2	67.2	





#69

Pentachlorophenol

Concen: 95.31 ng

RT: 11.17 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

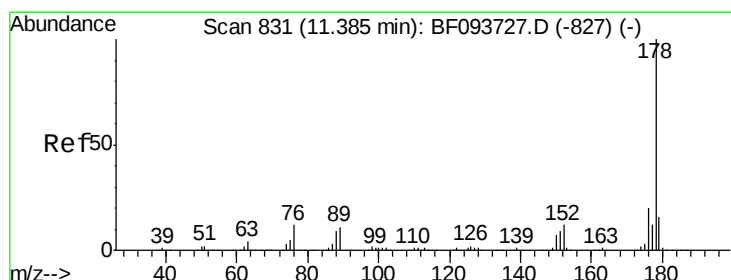
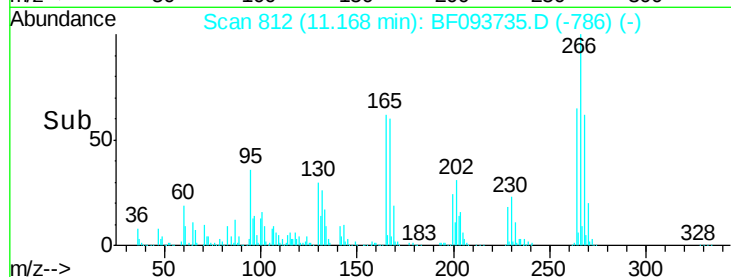
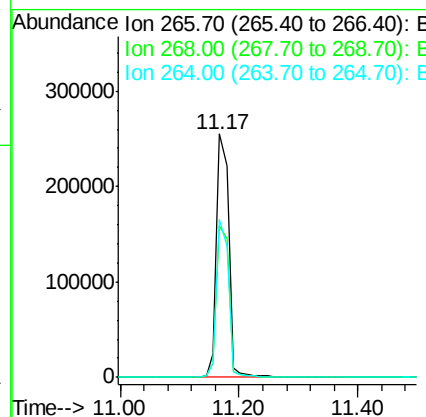
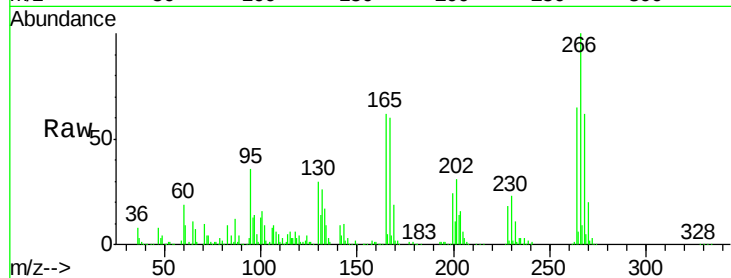
ClientSampleId :

PB97674BS

Tgt Ion:	266	Resp:	362846
Ion Ratio		Lower	Upper
266	100		
268	62.2	51.1	76.7
264	64.7	51.7	77.5

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#70

Phenanthrene

Concen: 43.42 ng

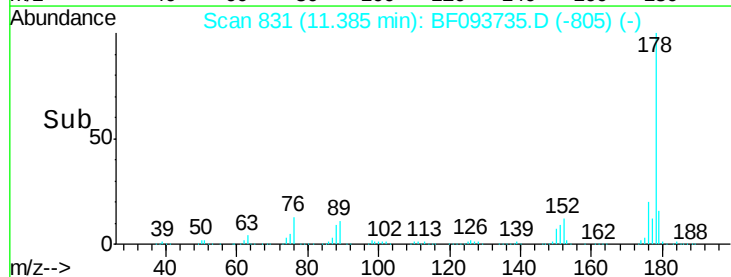
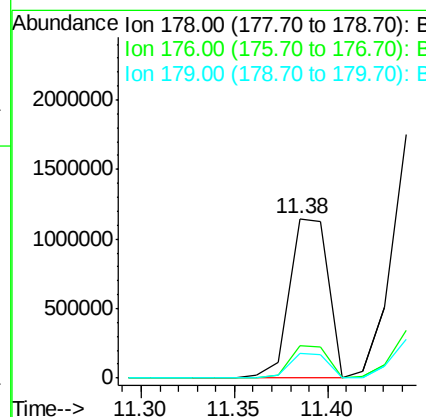
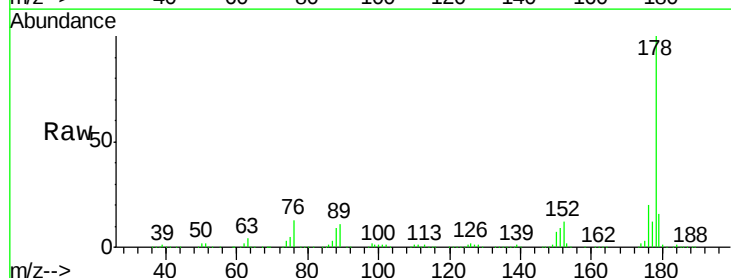
RT: 11.38 min Scan# 831

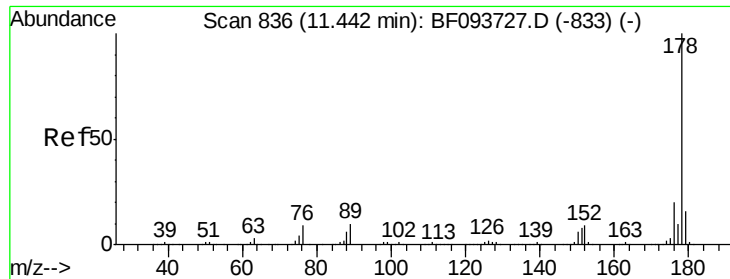
Delta R.T. 0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Tgt Ion:	178	Resp:	1651112
Ion Ratio		Lower	Upper
178	100		
176	20.0	16.2	24.4
179	15.8	12.6	19.0





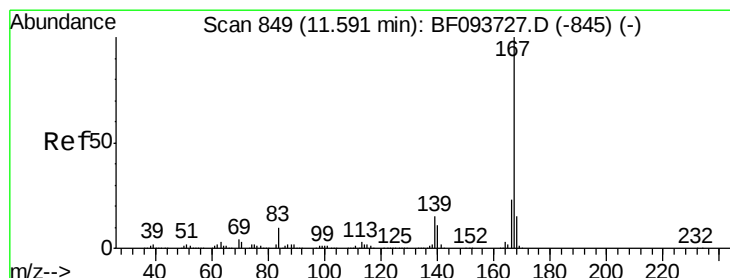
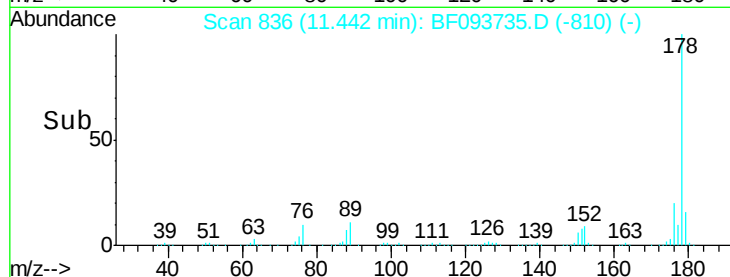
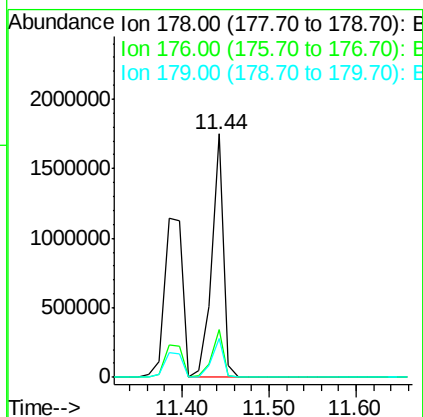
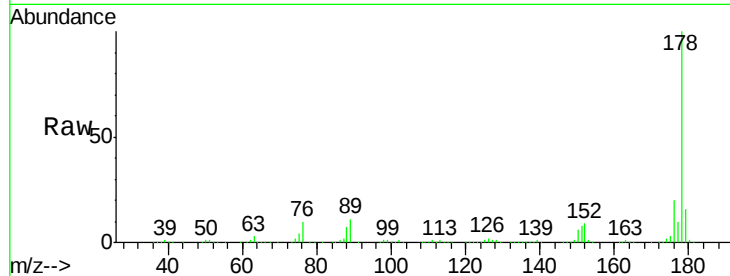
#71
 Anthracene
 Concen: 44.23 ng
 RT: 11.44 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BS

Tgt Ion:178 Resp: 1645605
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 15.8 12.7 19.1

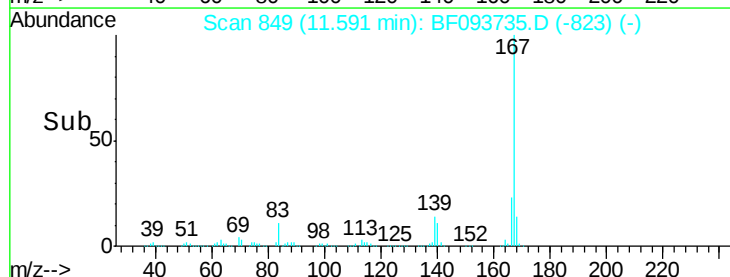
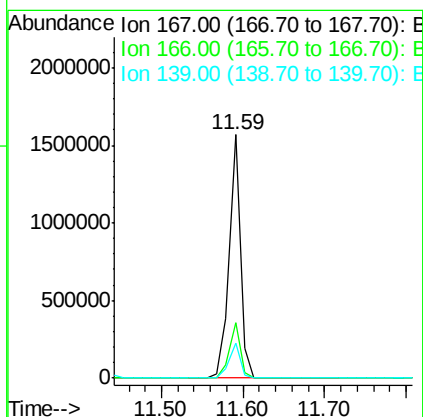
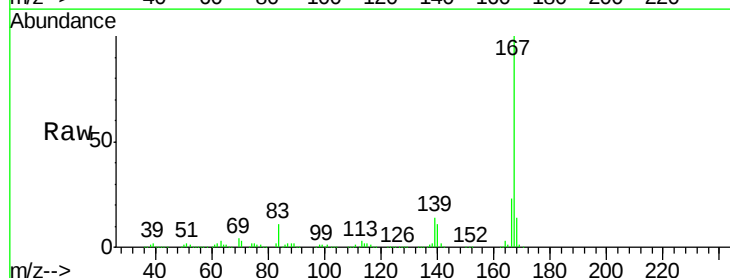
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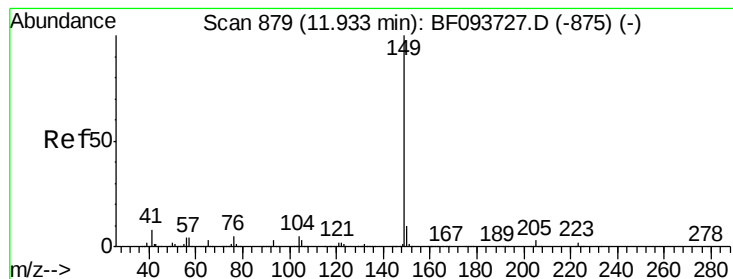
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#72
 Carbazole
 Concen: 38.45 ng
 RT: 11.59 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Tgt Ion:167 Resp: 1497622
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.1 27.1
 139 14.4 11.7 17.5





#73

Di-n-butylphthalate

Concen: 44.29 ng

RT: 11.93 min Scan# 879

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

ClientSampleId :

PB97674BS

Tgt Ion:149 Resp: 1763504

Ion Ratio Lower Upper

149 100

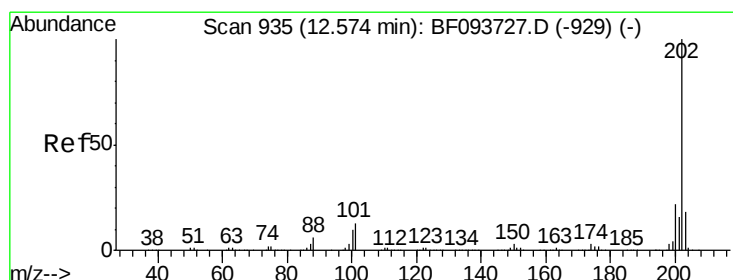
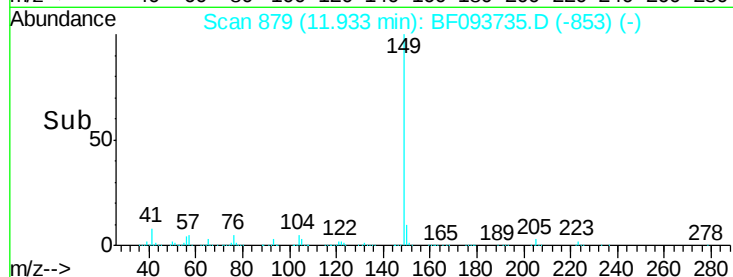
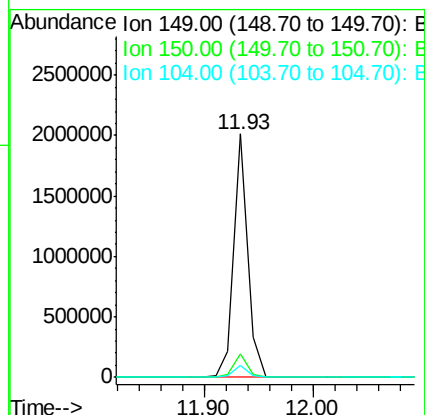
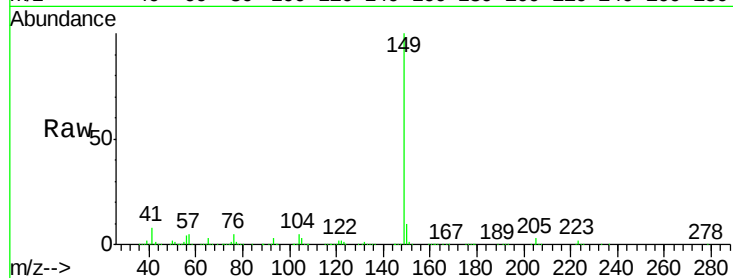
150 9.7 7.7 11.5

104 5.1 4.0 6.0

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#74

Fluoranthene

Concen: 45.40 ng

RT: 12.57 min Scan# 935

Delta R.T. 0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

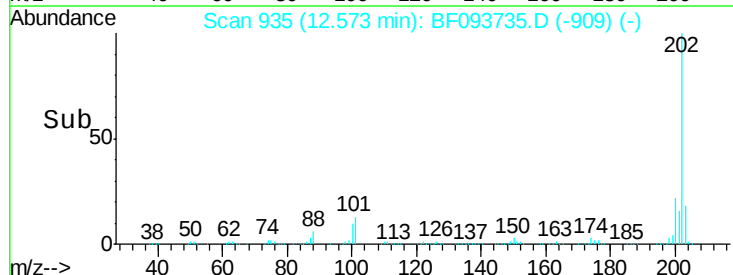
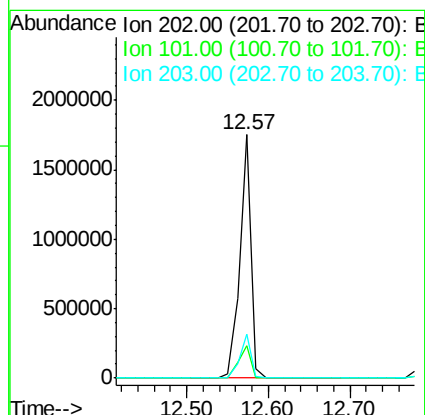
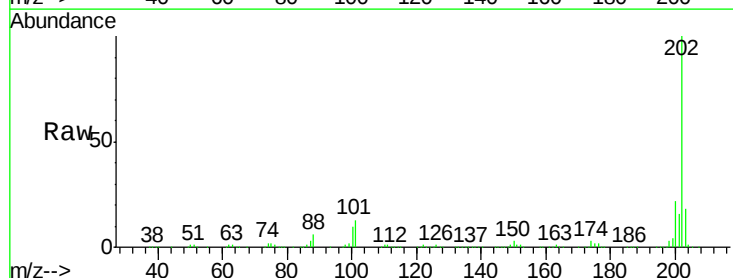
Tgt Ion:202 Resp: 1673089

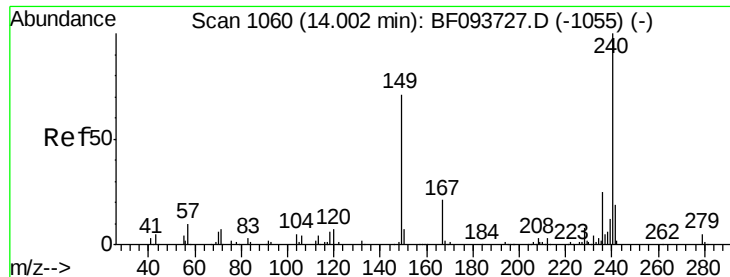
Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

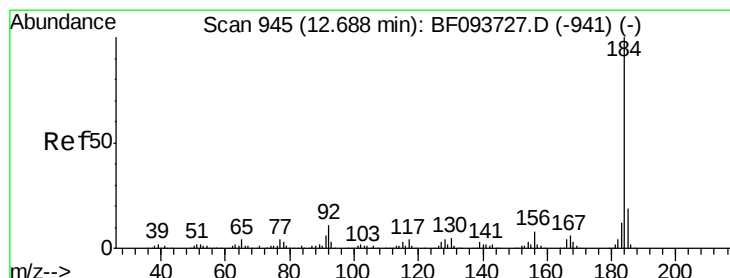
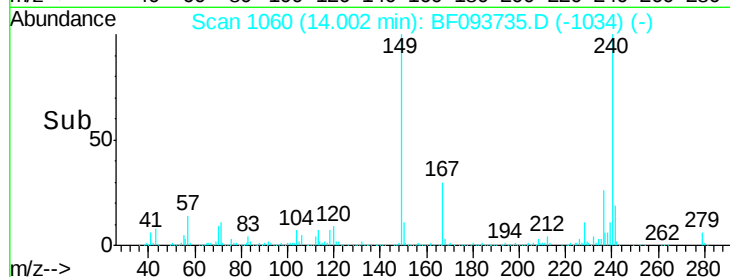
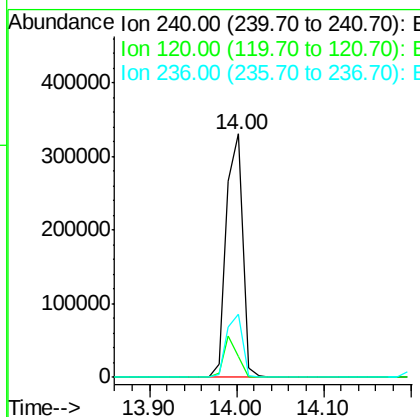
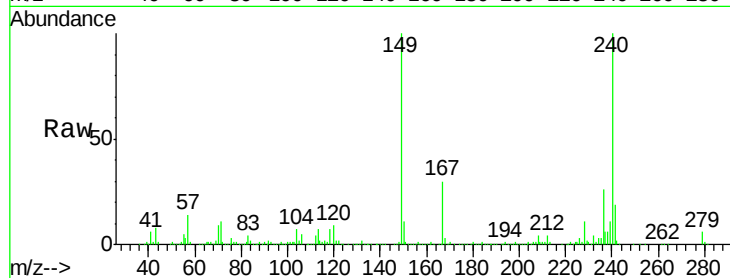
ClientSampleId :

PB97674BS

Tgt Ion:	240	Resp:	435357
Ion Ratio	Lower	Upper	
240	100		
120	8.5	5.8	8.8
236	25.8	20.5	30.7

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#76

Benzidine

Concen: 38.28 ng

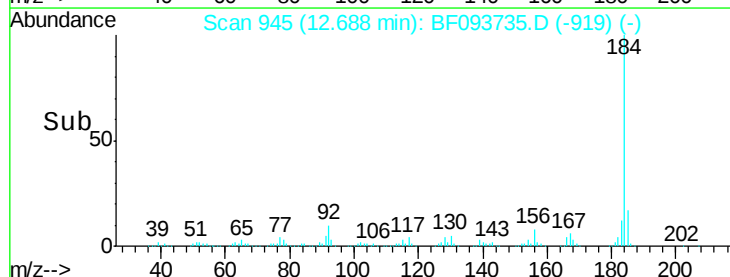
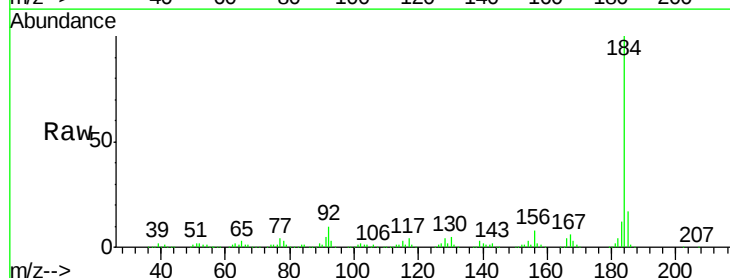
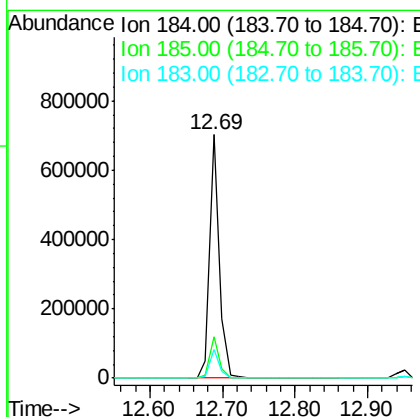
RT: 12.69 min Scan# 945

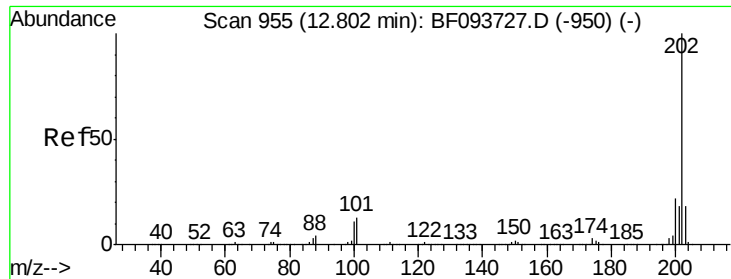
Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Tgt Ion:	184	Resp:	651206
Ion Ratio	Lower	Upper	
184	100		
185	17.0	15.5	23.3
183	11.9	9.8	14.6





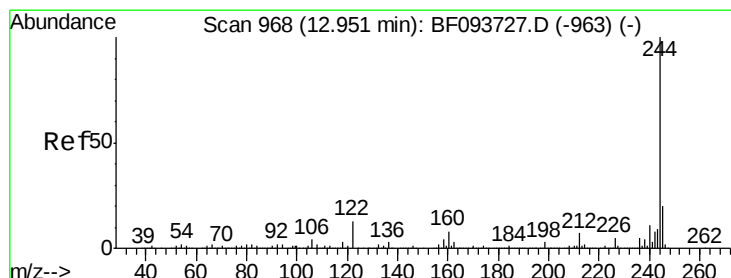
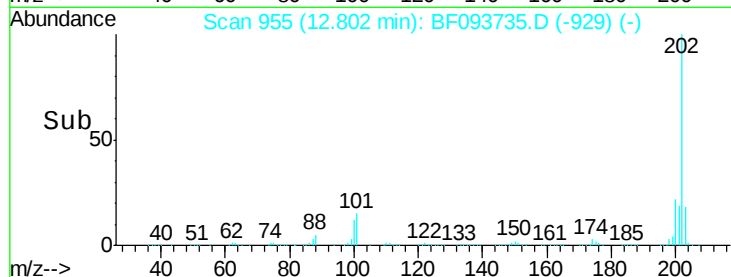
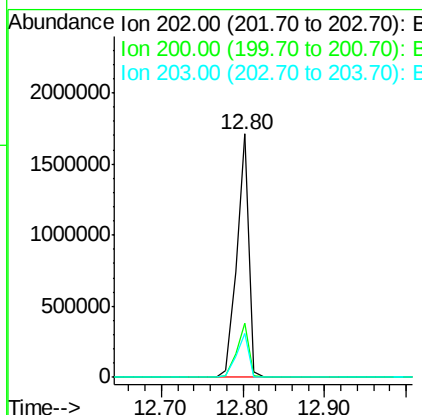
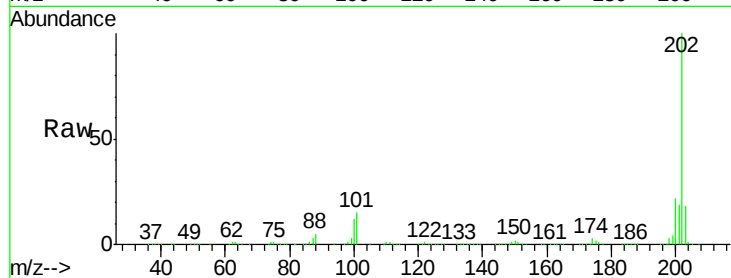
#77
 Pyrene
 Concen: 47.43 ng
 RT: 12.80 min Scan# 955
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BS

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.6	26.4
203	18.0	14.4	21.6

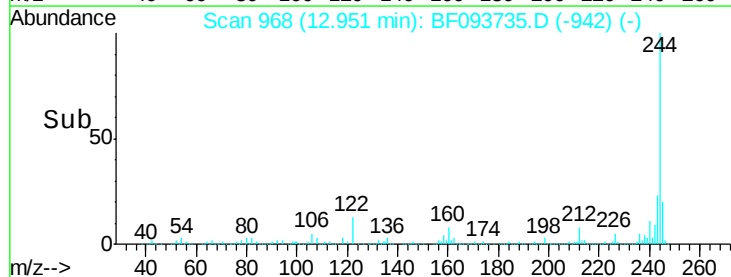
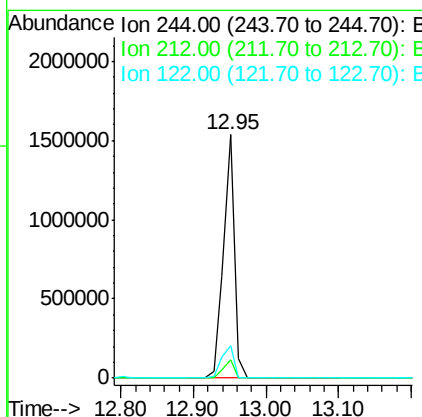
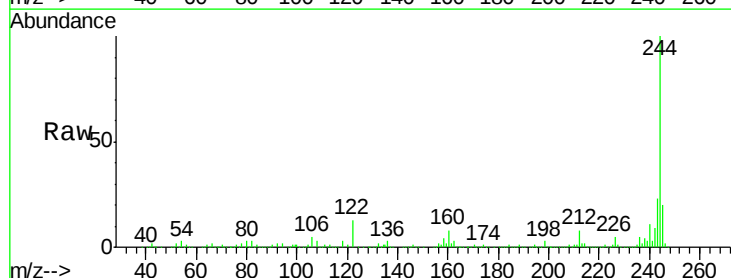
Manual Integrations
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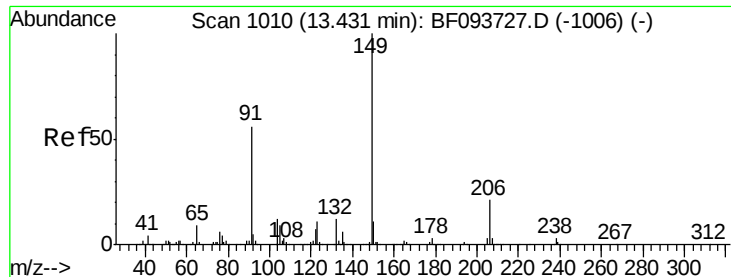
mohammad
 3/20/2017 12:58:23 PM



#78
 Terphenyl-d14
 Concen: 79.87 ng
 RT: 12.95 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	13.3	10.3	15.5





#79

Butylbenzylphthalate

Concen: 54.83 ng

RT: 13.43 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

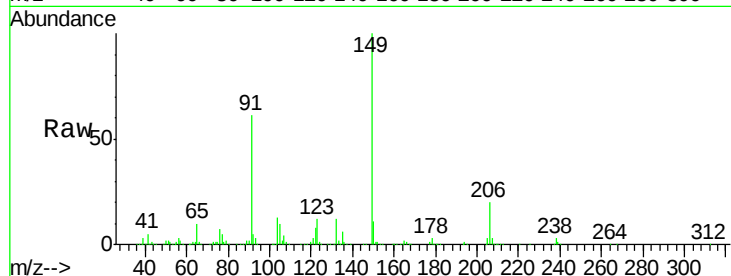
ClientSampleId :

PB97674BS

Tgt Ion:	149	Resp:	862454
Ion Ratio	Lower	Upper	
149	100		
91	61.1	45.0	67.4
206	19.8	17.0	25.6

Manual Integrations
APPROVED

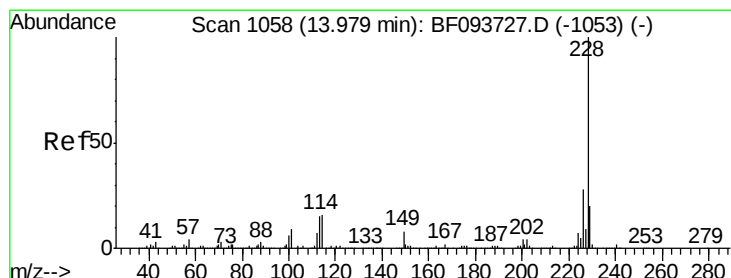
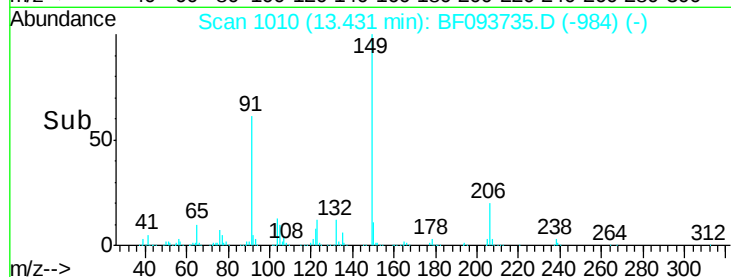
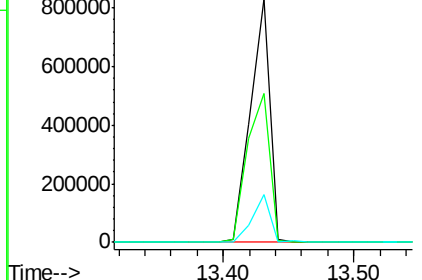
mohammad
3/20/2017 12:58:23 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 47.39 ng

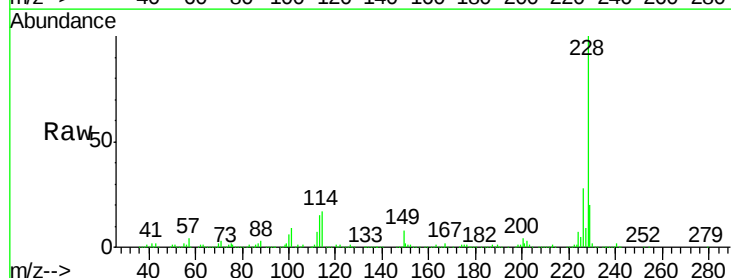
RT: 13.98 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

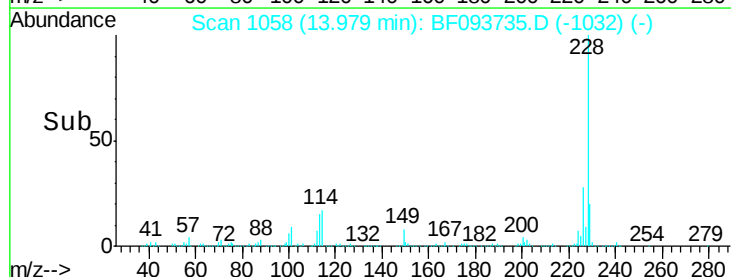
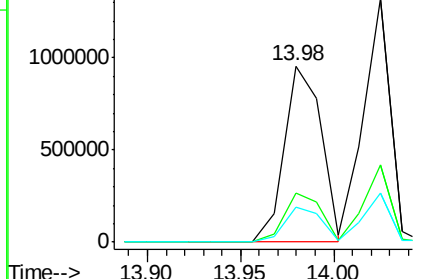
Tgt Ion:	228	Resp:	1324249
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.6	33.8
229	20.1	16.3	24.5

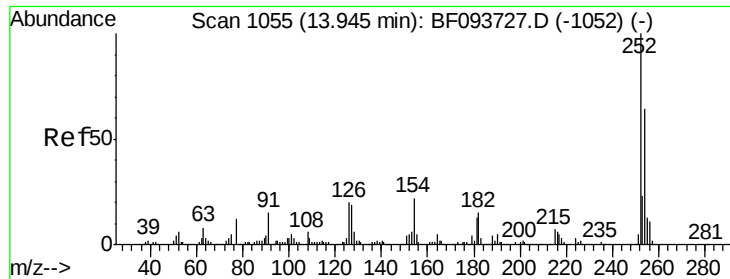


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





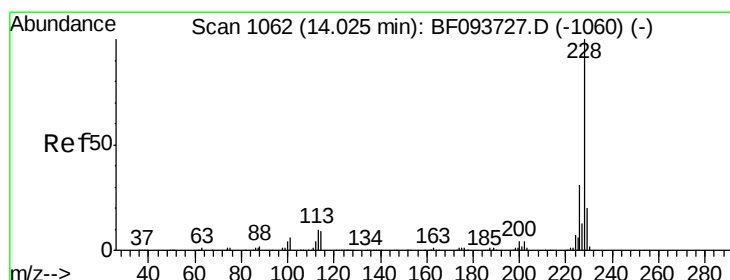
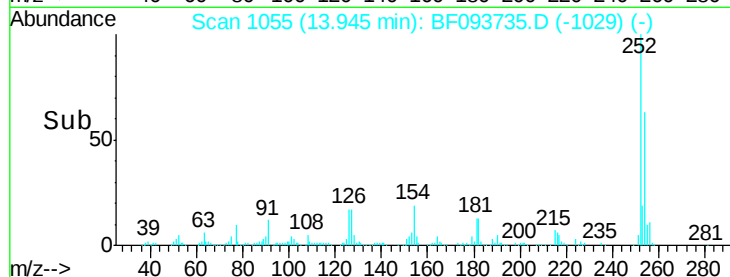
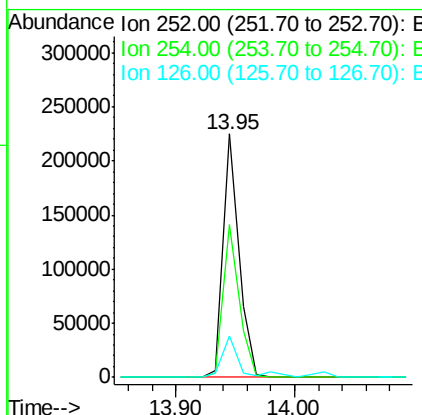
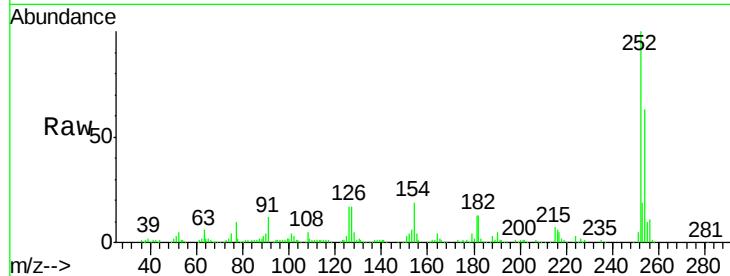
#81
 3,3'-Dichlorobenzidine
 Concen: 21.05 ng
 RT: 13.95 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Instrument :
 BNA_F
 ClientSampleId :
 PB97674BS

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.8	51.5	77.3
126	16.9	15.8	23.8

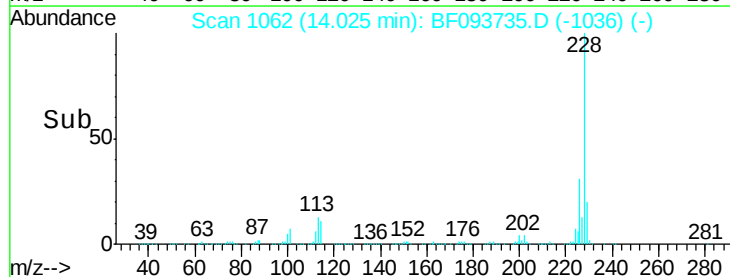
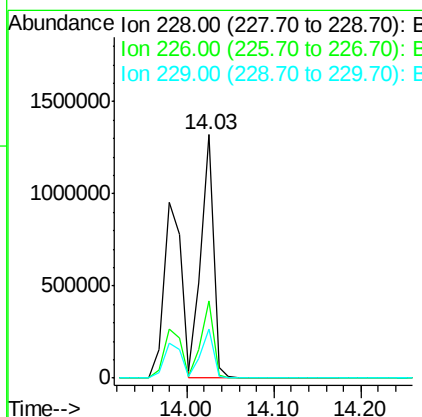
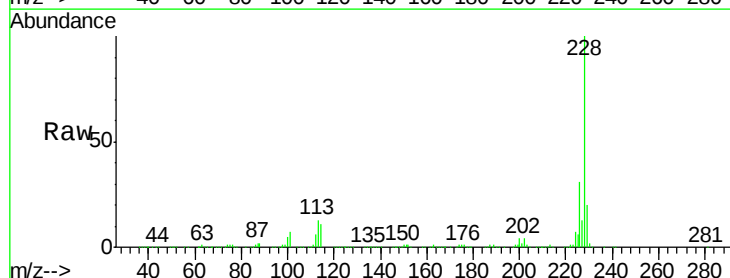
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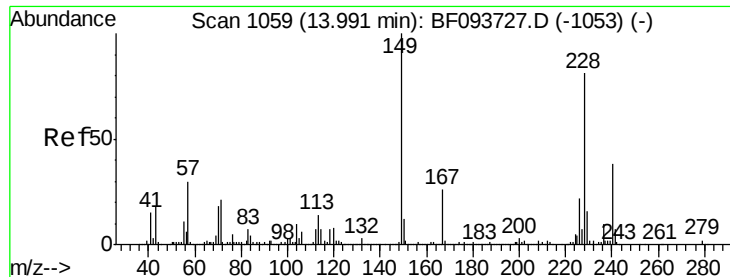
mohammad
 3/20/2017 12:58:23 PM



#82
 Chrysene
 Concen: 48.73 ng
 RT: 14.03 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	20.1	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.06 ng

RT: 13.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

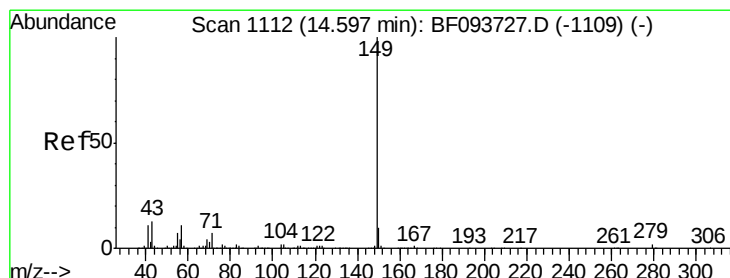
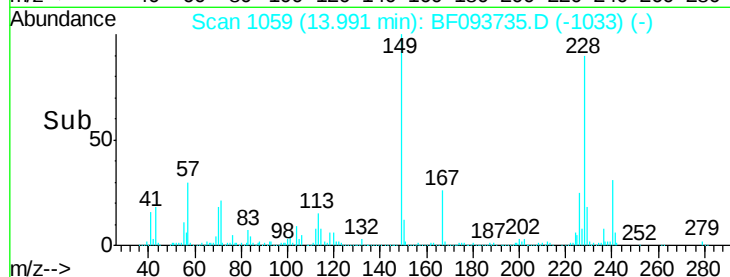
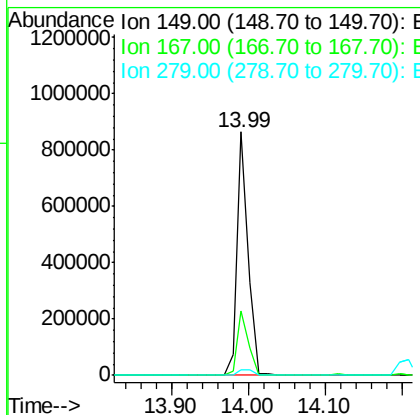
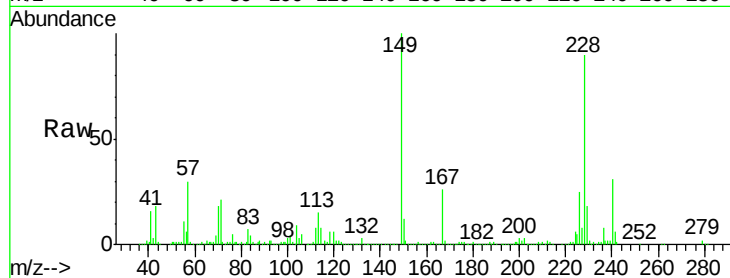
ClientSampleId :

PB97674BS

Tgt Ion:	149	Resp:	883054
Ion Ratio		Lower	Upper
149	100		
167	26.4	21.0	31.4
279	2.3	1.9	2.9

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 56.92 ng

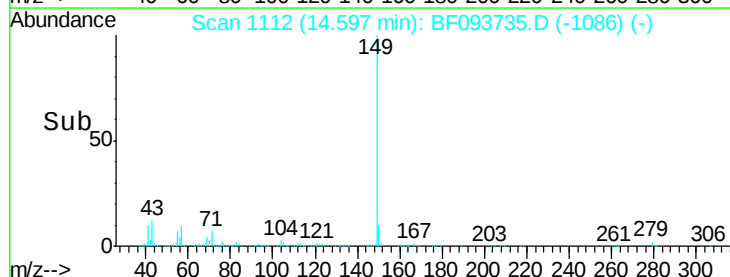
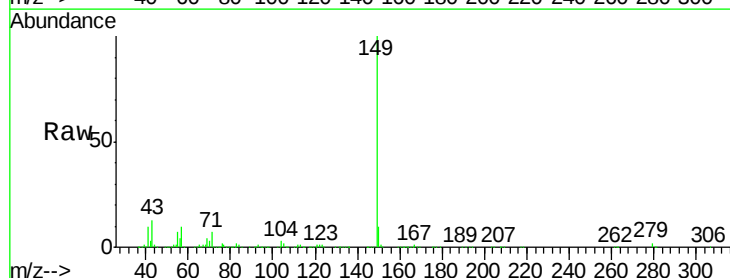
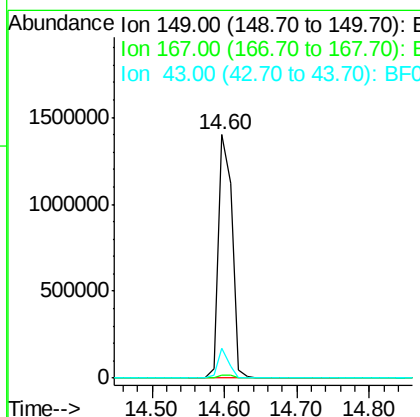
RT: 14.60 min Scan# 1112

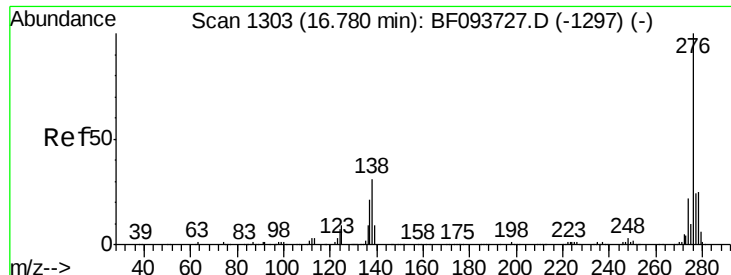
Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Tgt Ion:	149	Resp:	1814857
Ion Ratio		Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.1	8.5	12.7





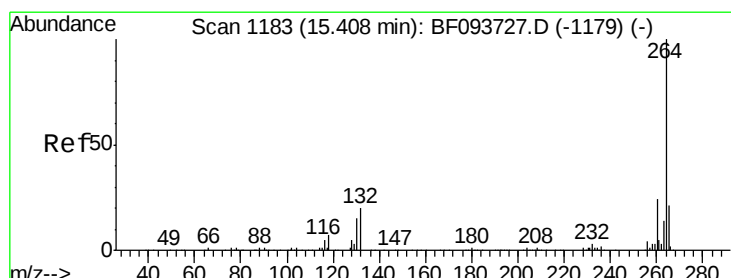
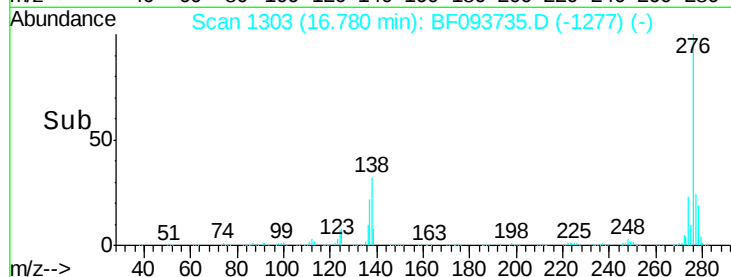
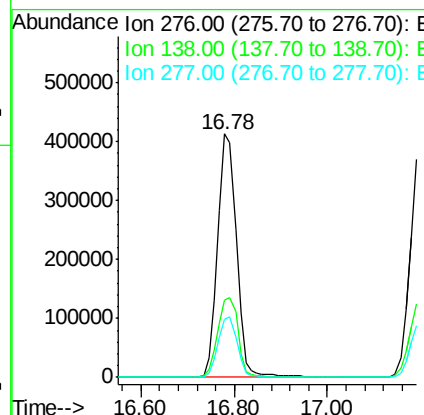
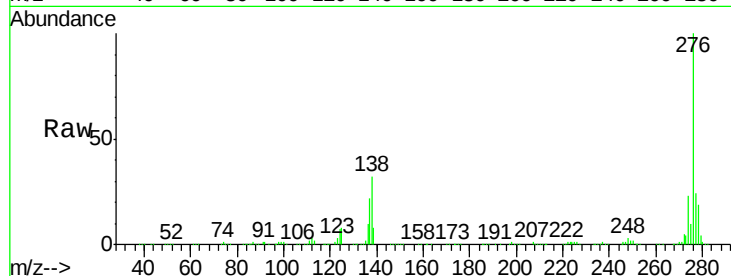
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 51.05 ng
 RT: 16.78 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Instrument :
 BNA_F
 ClientSampled :
 PB97674BS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.4	27.8	41.6
277	25.2	20.2	30.4

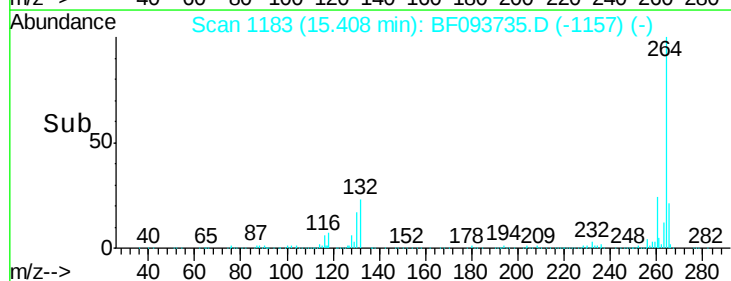
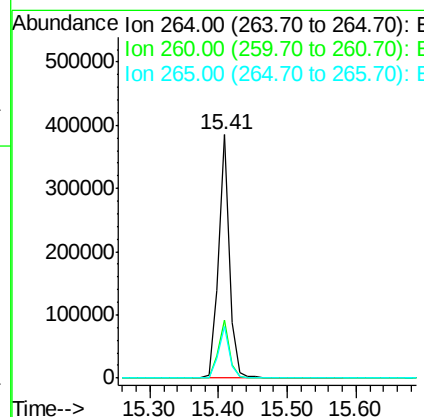
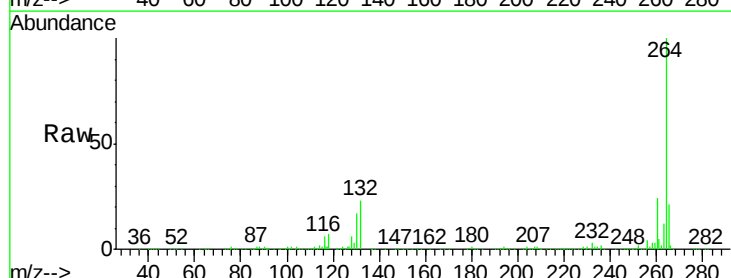
Manual Integrations
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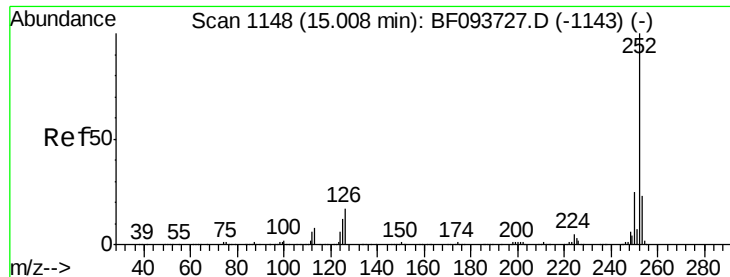
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF093735.D
 Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 43.72 ng

RT: 15.01 min Scan# 1148

Delta R.T. -0.00 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

ClientSampleId :

PB97674BS

Tgt Ion:252 Resp: 1212868

Ion Ratio Lower Upper

252 100

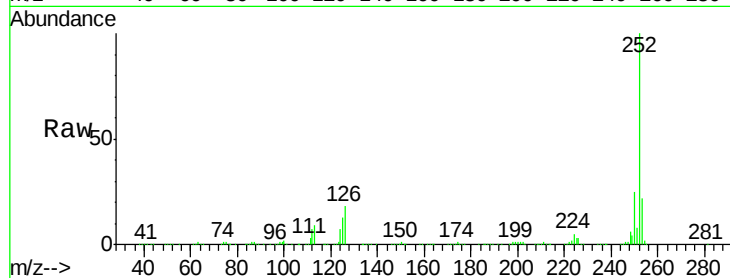
253 22.3 18.1 27.1

125 13.4 9.8 14.8

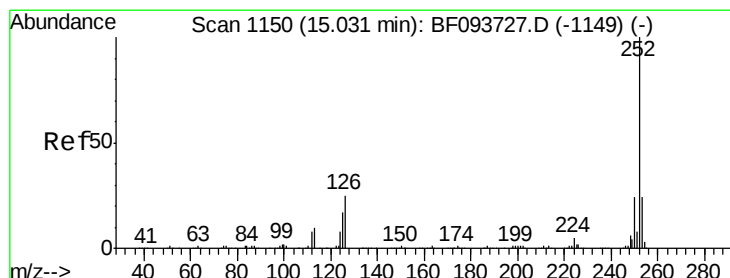
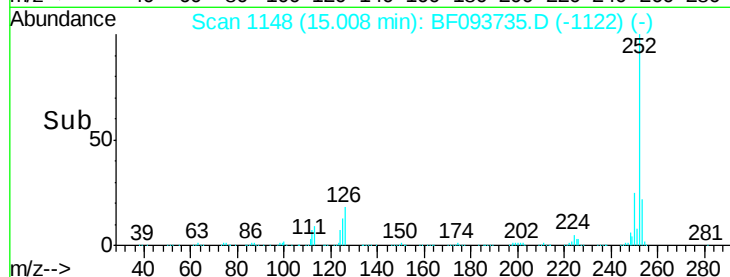
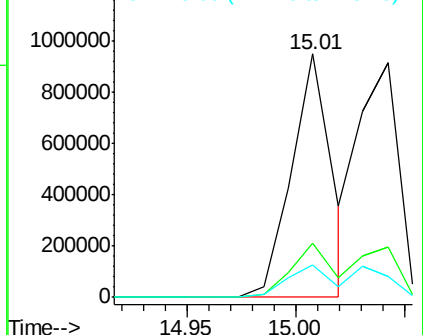
Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 48.14 ng m

RT: 15.04 min Scan# 1151

Delta R.T. 0.01 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Tgt Ion:252 Resp: 1180342

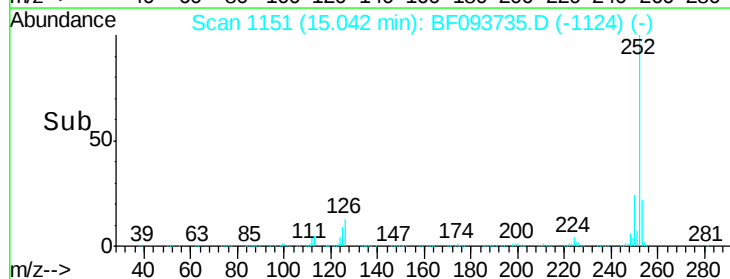
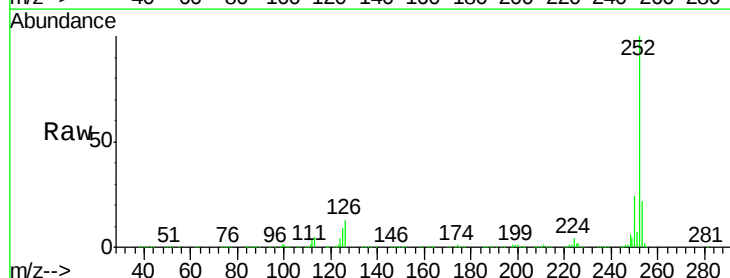
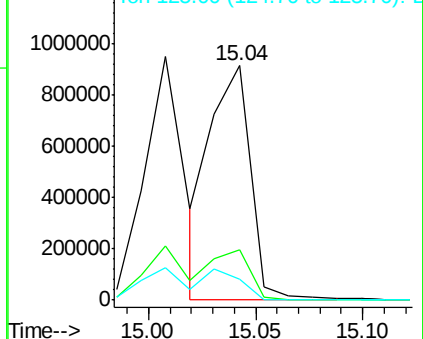
Ion Ratio Lower Upper

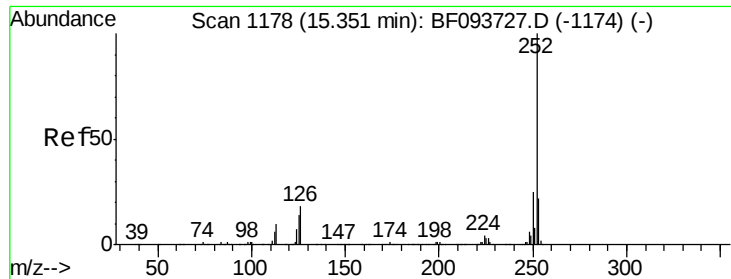
252 100

253 21.6 18.4 27.6

125 8.7 13.1 19.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





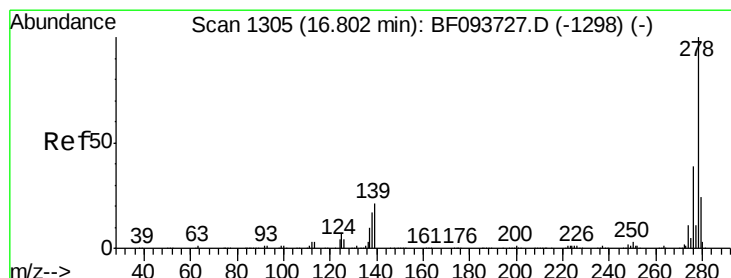
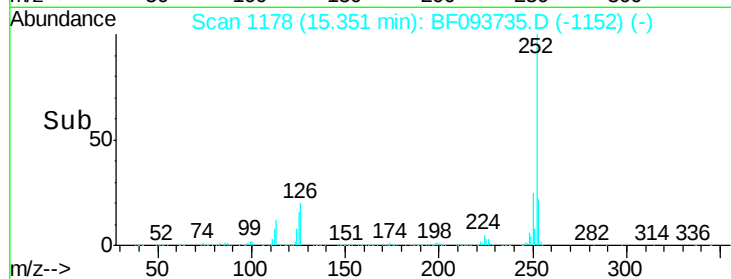
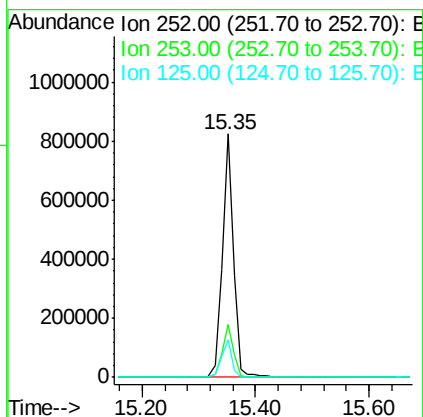
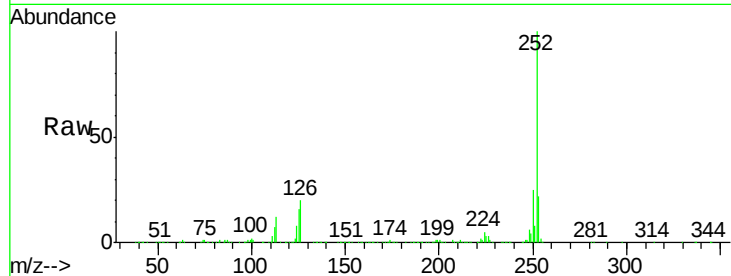
#89
Benzo(a)pyrene
Concen: 45.83 ng
RT: 15.35 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Instrument :
BNA_F
ClientSampled :
PB97674BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	15.6	11.0	16.4

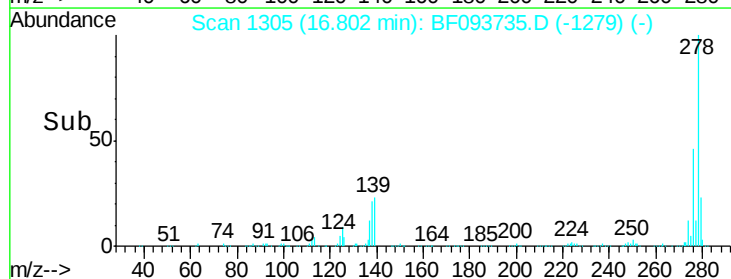
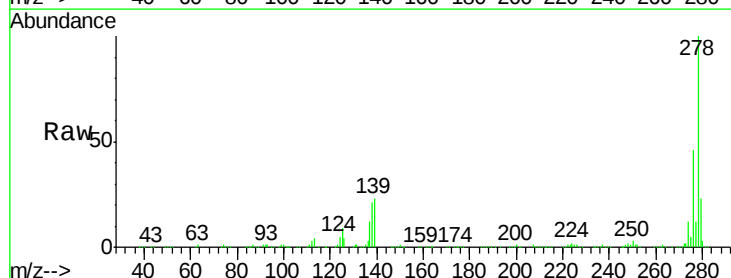
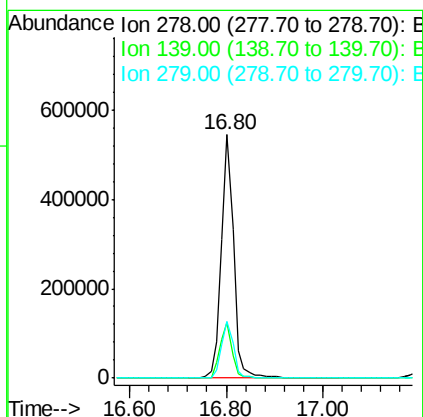
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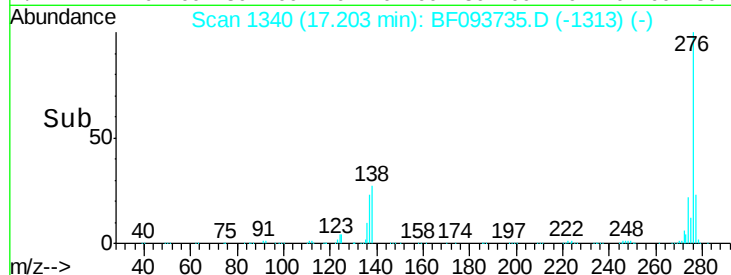
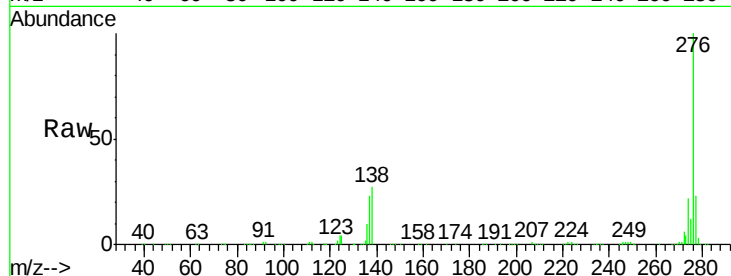
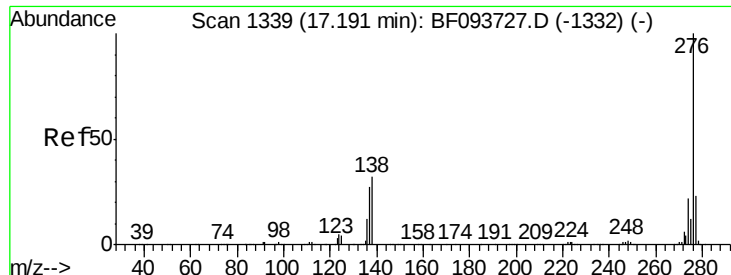
mohammad
3/20/2017 12:58:23 PM



#90
Dibenzo(a,h)anthracene
Concen: 47.09 ng
RT: 16.80 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF093735.D
Acq: 18 Mar 2017 6:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.0	16.6	24.8
279	23.4	19.3	28.9





#91

Benzo(g,h,i)perylene

Concen: 46.62 ng

RT: 17.20 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF093735.D

Acq: 18 Mar 2017 6:26

Instrument :

BNA_F

ClientSampleId :

PB97674BS

Tgt Ion:	276	Resp:	983448
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.6	28.0
138	27.4	25.4	38.0

Manual Integrations
APPROVED

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3/20/2017 12:58:23 PM

