

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123016\
 Data File : BF092046.D
 Acq On : 30 Dec 2016 14:57
 Operator : UM/SJ
 Sample : H6262-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Manual Integrations
 APPROVED

mohammad
 1/3/2017 9:14:18 AM

Quant Time: Dec 30 16:11:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	199200	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	722669	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	383710	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	637160	20.00	ng	-0.03
75) Chrysene-d12	13.84	240	479570	20.00	ng	-0.03
86) Perylene-d12	15.21	264	424688	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	1862656	156.13	ng	-0.02
7) Phenol-d6	6.35	99	2326448	159.72	ng	-0.03
23) Nitrobenzene-d5	7.25	82	1280505	98.53	ng	-0.03
41) 2,4,6-Tribromophenol	10.51	330	511050	160.94	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	2040402	113.24	ng	-0.03
78) Terphenyl-d14	12.79	244	1936384	97.93	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.22	88	281476	47.92	ng	97
3) Pyridine	2.88	79	832586	40.62	ng	99
4) n-Nitrosodimethylamine	2.84	42	365425	47.26	ng	99
6) Aniline	6.35	93	498564	26.35	ng	# 72
8) 2-Chlorophenol	6.48	128	730756	53.85	ng	94
9) Benzaldehyde	6.22	77	86279	7.91	ng	97
10) Phenol	6.36	94	722311	43.52	ng	89
11) bis(2-Chloroethyl)ether	6.43	93	722775	54.73	ng	98
12) 1,3-Dichlorobenzene	6.62	146	754162	52.06	ng	96
13) 1,4-Dichlorobenzene	6.70	146	749206m	50.81	ng	
14) 1,2-Dichlorobenzene	6.85	146	667619	52.18	ng	99
15) Benzyl Alcohol	6.84	79	565027	49.93	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.98	45	941417	47.87	ng	83
17) 2-Methylphenol	6.97	107	562380	51.53	ng	# 92
18) Hexachloroethane	7.20	117	272065	49.77	ng	97
19) n-Nitroso-di-n-propylamine	7.12	70	533446	55.05	ng	# 90
20) 3+4-Methylphenols	7.13	107	738227	56.71	ng	# 73
22) Acetophenone	7.10	105	988004	55.43	ng	# 92
24) Nitrobenzene	7.28	77	737400	53.27	ng	92
25) Isophorone	7.52	82	1251248	52.18	ng	97
26) 2-Nitrophenol	7.60	139	348043	50.99	ng	# 80
27) 2,4-Dimethylphenol	7.64	122	493085	43.55	ng	99
28) bis(2-Chloroethoxy)methane	7.73	93	804563	55.33	ng	99
29) 2,4-Dichlorophenol	7.85	162	500081	52.16	ng	99
30) 1,2,4-Trichlorobenzene	7.92	180	540919	51.49	ng	98
31) Naphthalene	8.00	128	1781187	53.85	ng	99
32) Benzoic acid	7.74	122	81245	9.67	ng	96
33) 4-Chloroaniline	8.05	127	236280	15.84	ng	# 92
34) Hexachlorobutadiene	8.11	225	280292	50.54	ng	99
35) Caprolactam	8.43	113	169842m	53.91	ng	
36) 4-Chloro-3-methylphenol	8.56	107	574494	52.08	ng	99
37) 2-Methylnaphthalene	8.68	142	1097609	65.31	ng	100
39) 1,2,4,5-Tetrachlorobenzene	8.85	216	498182	51.39	ng	98
40) Hexachlorocyclopentadiene	8.84	237	444013	101.70	ng	97

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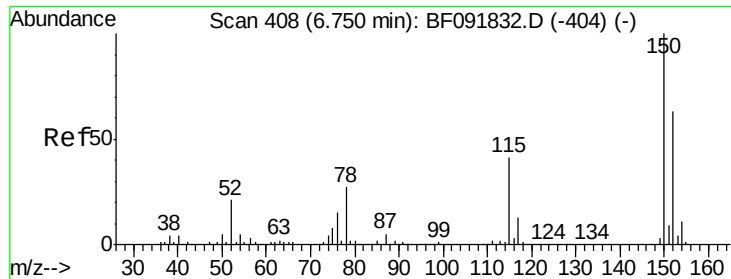
Manual Integrations
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Quant Time: Dec 30 16:11:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.97	196	346591	51.12	nq	95
43) 2,4,5-Trichlorophenol	9.02	196	371777	53.28	nq #	89
45) 1,1'-Biphenyl	9.15	154	1440608	54.83	nq	98
46) 2-Chloronaphthalene	9.17	162	1099656	52.85	nq	96
47) 2-Nitroaniline	9.28	65	375278	50.66	nq	99
48) Acenaphthylene	9.58	152	1575640	49.24	nq	99
49) Dimethylphthalate	9.46	163	2034623	82.91	nq	98
50) 2,6-Dinitrotoluene	9.53	165	297360	55.36	nq #	75
51) Acenaphthene	9.76	154	1014308	46.76	nq	99
52) 3-Nitroaniline	9.69	138	189632	28.53	nq	96
53) 2,4-Dinitrophenol	9.80	184	141314	47.28	nq #	94
54) Dibenzofuran	9.93	168	1335190	45.57	nq	98
55) 4-Nitrophenol	9.88	139	462180	102.40	nq	96
56) 2,4-Dinitrotoluene	9.93	165	389655	57.80	nq	94
57) Fluorene	10.27	166	1134373	53.22	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.05	232	300382	54.43	nq	98
59) Diethylphthalate	10.16	149	1212563	50.88	nq	99
60) 4-Chlorophenyl-phenylether	10.27	204	501006	53.68	nq #	77
61) 4-Nitroaniline	10.30	138	286093	41.53	nq	98
62) Azobenzene	10.42	77	1390485	52.99	nq	98
64) 4,6-Dinitro-2-methylphenol	10.34	198	176333	45.77	nq	84
65) n-Nitrosodiphenylamine	10.38	169	976067	51.63	nq	99
66) 4-Bromophenyl-phenylether	10.75	248	321792	48.55	nq	99
67) Hexachlorobenzene	10.82	284	371495	52.44	nq	97
68) Atrazine	10.92	200	311830	51.13	nq	97
69) Pentachlorophenol	11.01	266	354300	101.92	nq	99
70) Phenanthrene	11.23	178	1859583	53.82	nq	98
71) Anthracene	11.28	178	1591139	57.23	nq	99
72) Carbazole	11.44	167	1430016	57.15	nq	99
73) Di-n-butylphthalate	11.78	149	2036700	63.94	nq #	97
74) Fluoranthene	12.41	202	1674696	56.20	nq	98
76) Benzidine	12.53	184	356072	26.14	nq	99
77) Pyrene	12.64	202	1771098	50.34	nq	99
79) Butylbenzylphthalate	13.27	149	816661	51.03	nq	98
80) Benzo(a)anthracene	13.83	228	1381193	51.02	nq	99
81) 3,3'-Dichlorobenzidine	13.79	252	323000	31.47	nq	98
82) Chrysene	13.86	228	1304910	48.06	nq	99
83) Bis(2-ethylhexyl)phthalate	13.83	149	1023169	54.29	nq	99
84) Di-n-octyl phthalate	14.44	149	1898929	54.39	nq	99
85) Indeno(1,2,3-cd)pyrene	16.51	276	1253622	53.29	nq	99
87) Benzo(b)fluoranthene	14.83	252	1270983m	48.07	nq	
88) Benzo(k)fluoranthene	14.87	252	1280566m	56.80	nq	
89) Benzo(a)pyrene	15.16	252	1232077	52.50	nq #	96
90) Dibenzo(a,h)anthracene	16.52	278	1019959	52.88	nq	98
91) Benzo(g,h,i)perylene	16.90	276	1062570	52.98	nq	97

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



#1

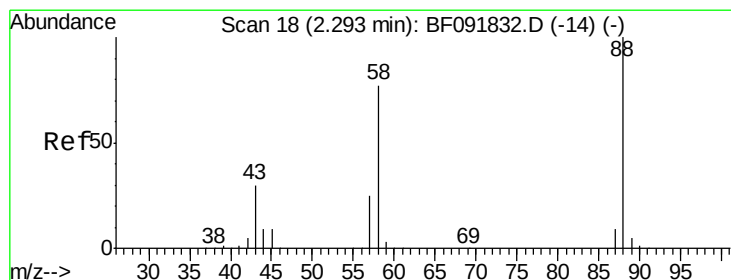
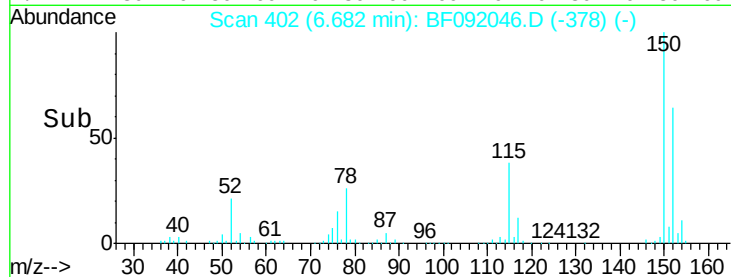
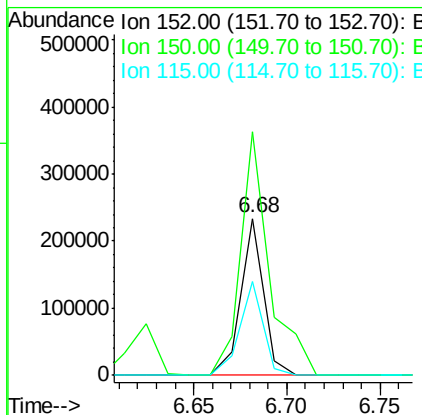
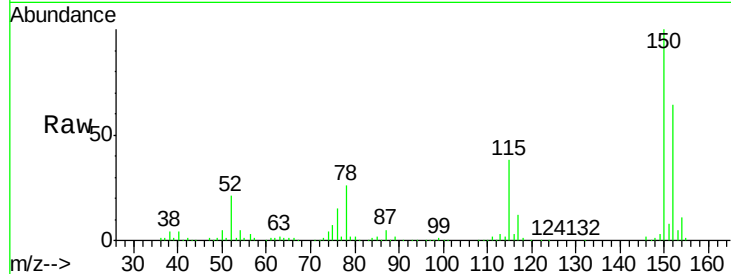
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.9	187.3
115	59.8	46.0	69.0

Manual Integrations
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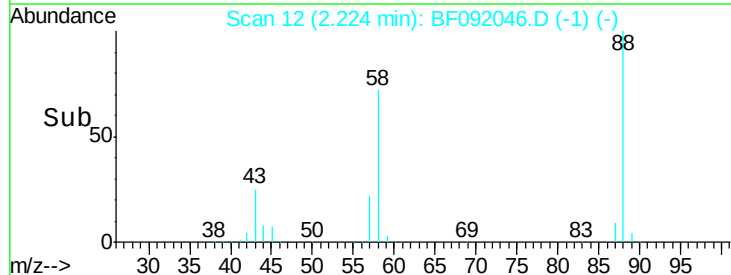
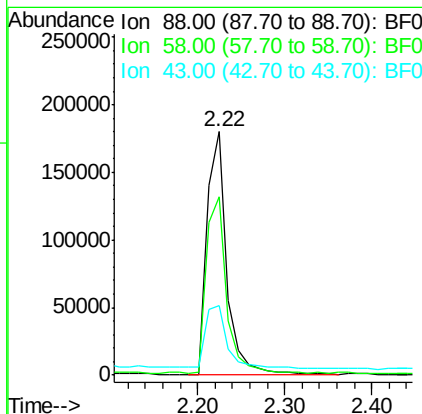
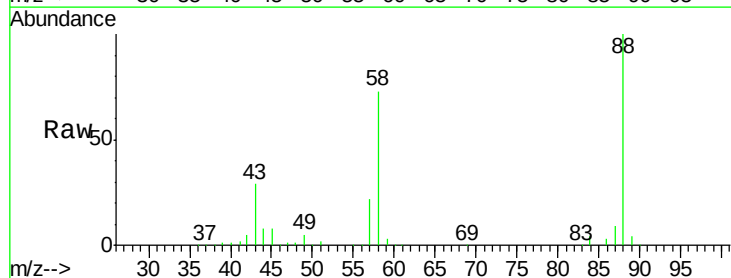
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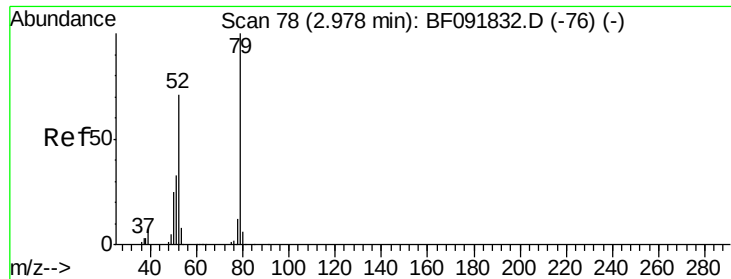


#2

1,4-Dioxane
Concen: 47.92 ng
RT: 2.22 min Scan# 12
Delta R.T. 0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.4	57.8	86.8
43	30.8	22.3	33.5





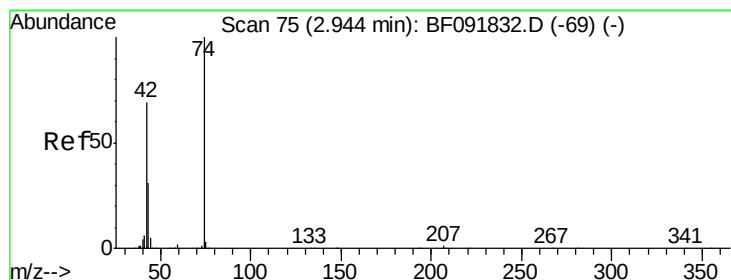
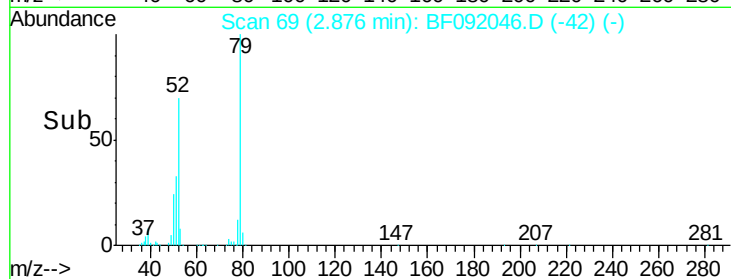
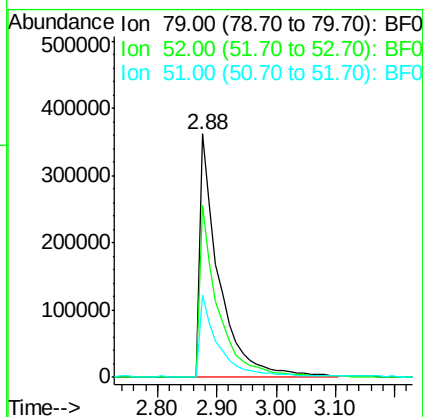
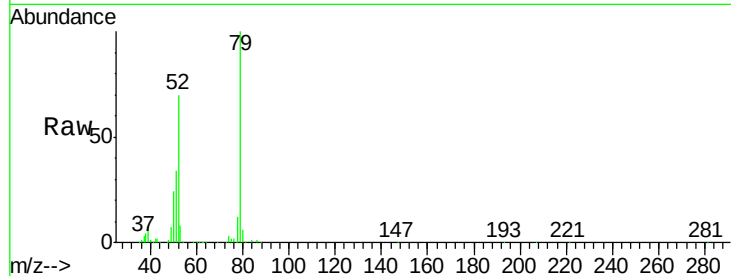
#3
 Pvrindine
 Concen: 40.62 ng
 RT: 2.88 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	70.5	57.1	85.7
51	33.6	27.3	40.9

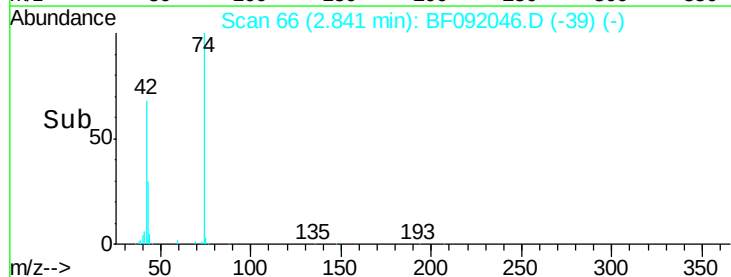
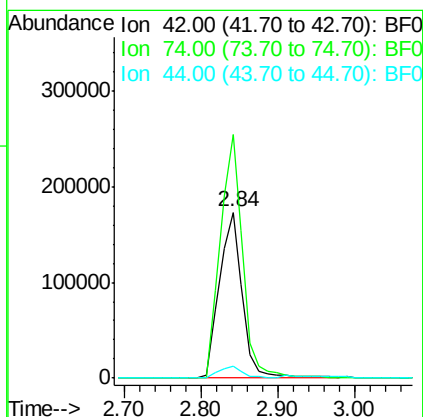
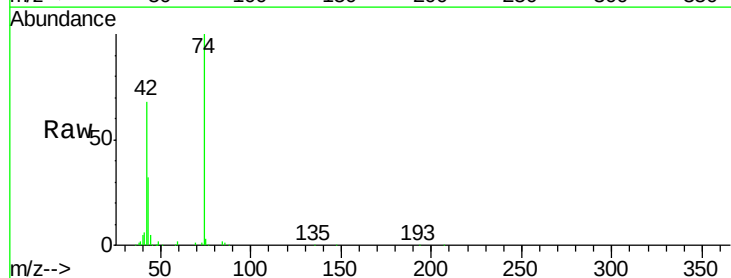
Manual Integrations
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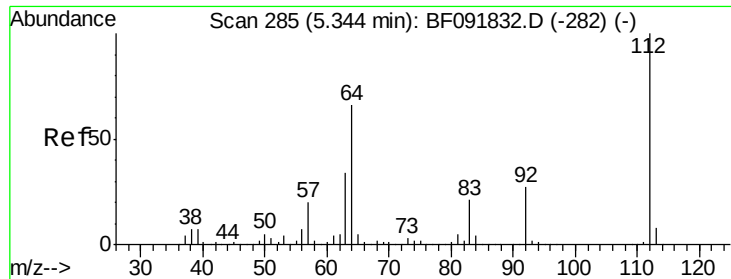
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#4
 n-Nitrosodimethylamine
 Concen: 47.26 ng
 RT: 2.84 min Scan# 66
 Delta R.T. 0.01 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
42	100		
74	146.9	117.0	175.4
44	7.3	5.5	8.3





#5

2-Fluorophenol

Concen: 156.13 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampleId :

W-4(55-57)MSD

Tot Ion:112 Resp: 1862656

Ion Ratio Lower Upper

112 100

64 62.3 46.1 69.1

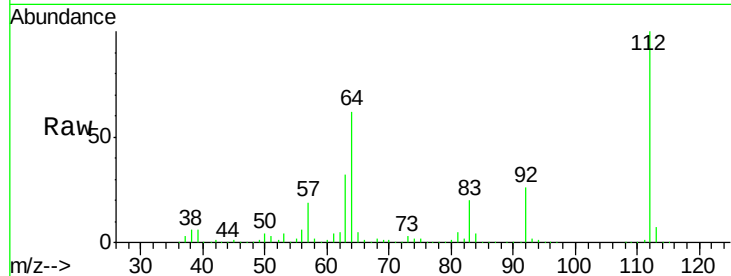
63 32.2 23.8 35.6

Manual Integrations

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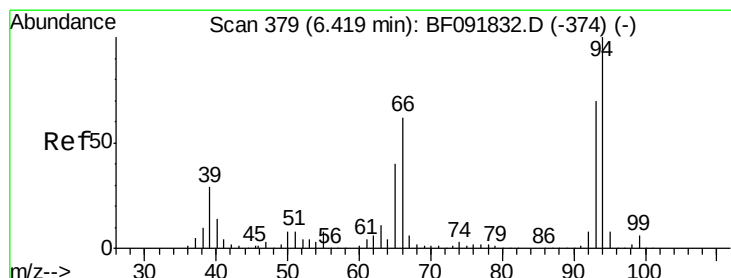
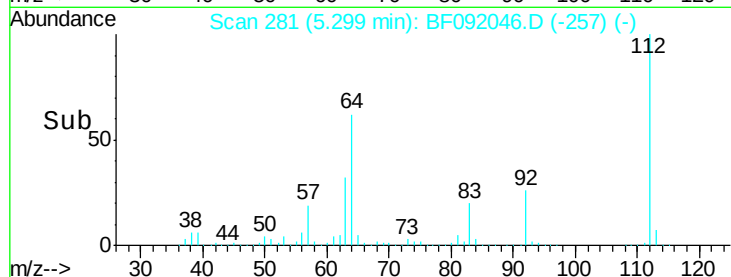
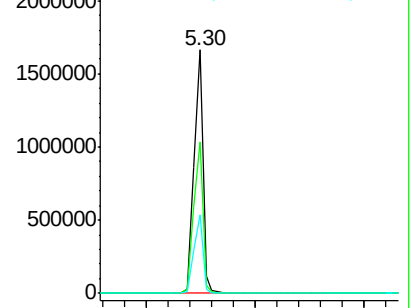
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 26.35 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

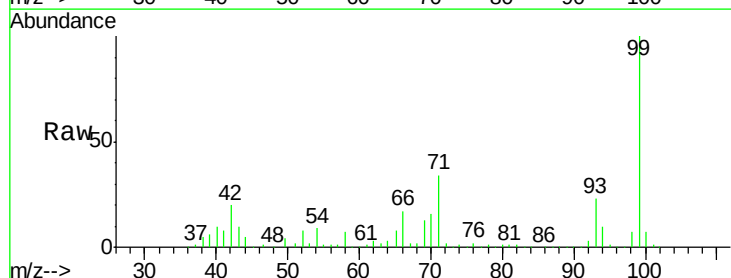
Tgt Ion: 93 Resp: 498564

Ion Ratio Lower Upper

93 100

66 72.8 76.2 114.2#

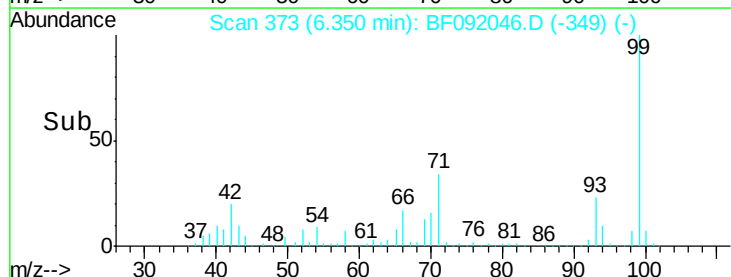
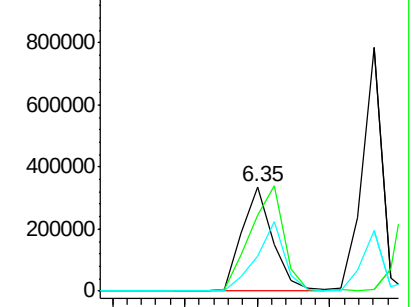
65 33.7 49.3 73.9#

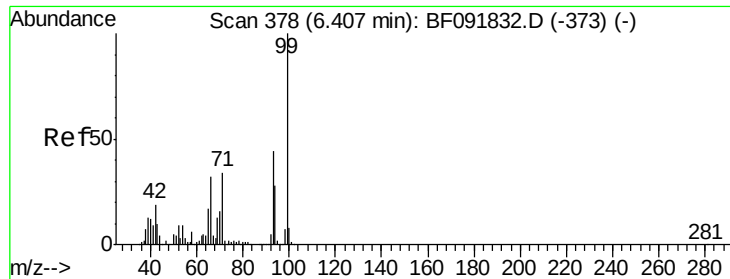


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 159.72 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampleId :

W-4(55-57)MSD

Tot Ion: 99 Resp: 2326448

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

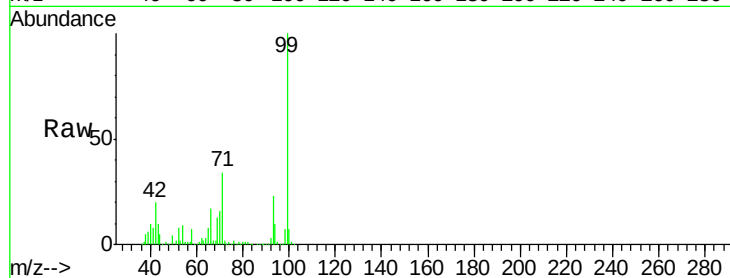
71 34.4 27.5 41.3

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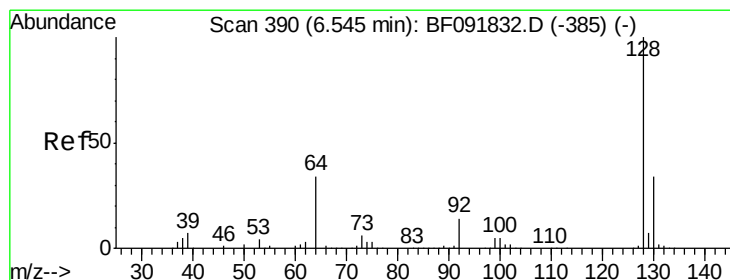
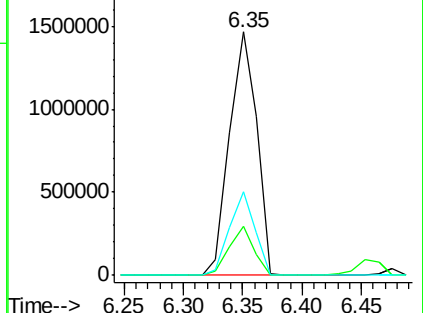
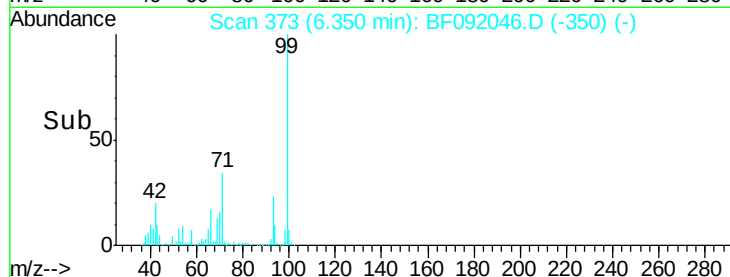
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 53.85 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

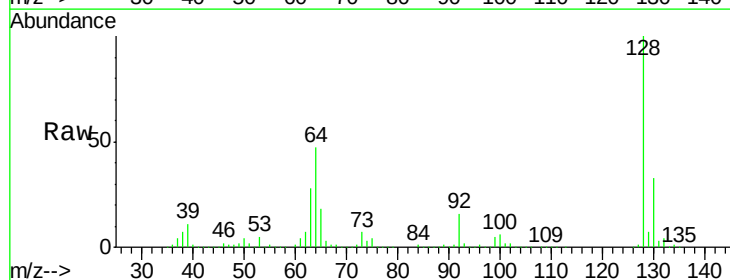
Tgt Ion:128 Resp: 730756

Ion Ratio Lower Upper

128 100

130 33.3 12.3 52.3

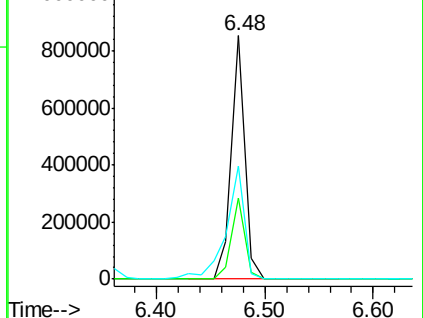
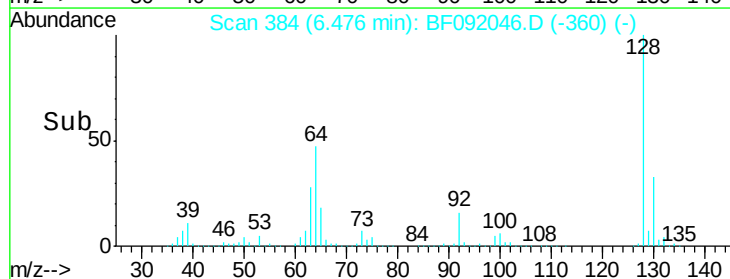
64 46.5 32.2 72.2

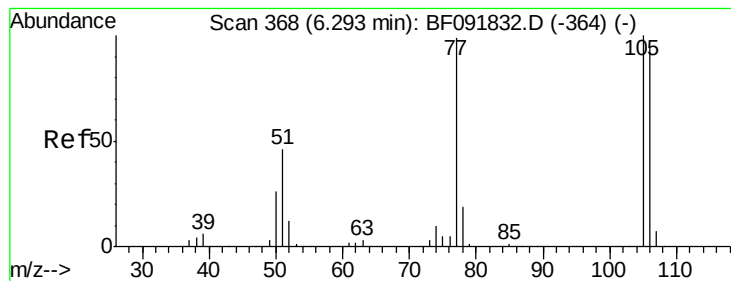


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 7.91 ng

RT: 6.22 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampleId :

W-4(55-57)MSD

Tot Ion: 77 Resp: 86279

Ion Ratio Lower Upper

77 100

105 99.7 83.9 123.9

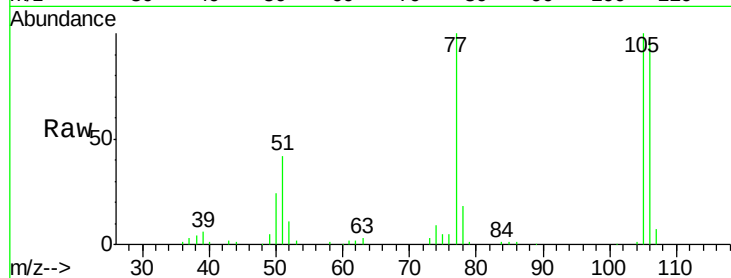
106 95.8 77.6 117.6

Manual Integrations

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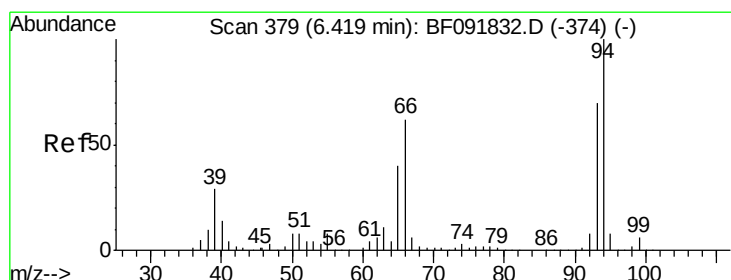
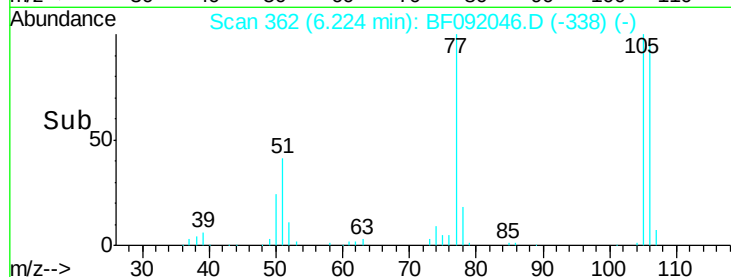
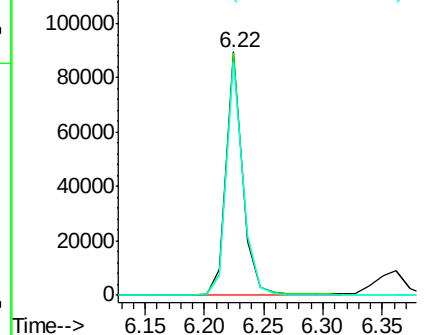
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Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 43.52 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

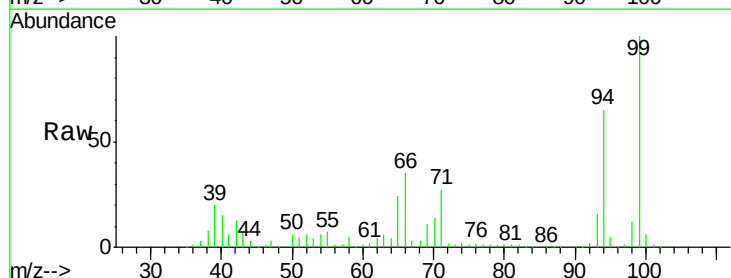
Tgt Ion: 94 Resp: 722311

Ion Ratio Lower Upper

94 100

65 36.2 21.4 61.4

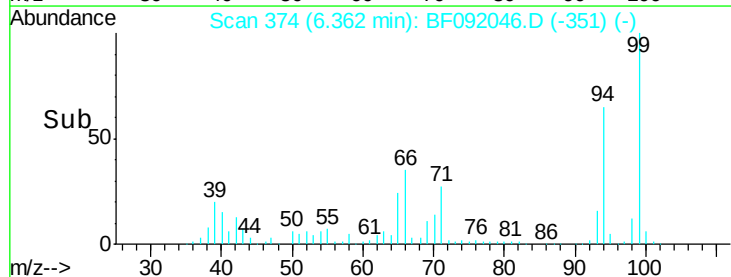
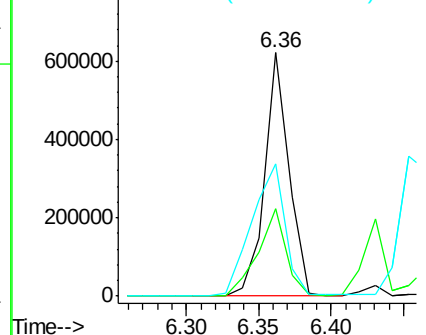
66 54.3 44.0 84.0

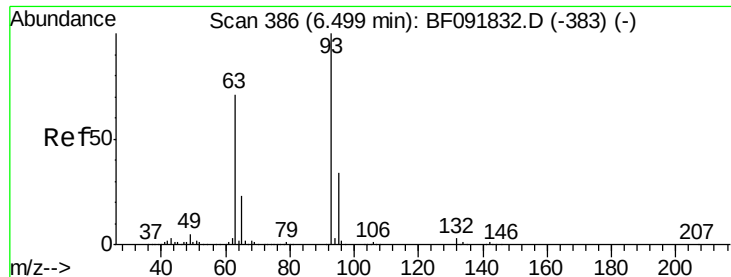


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 54.73 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

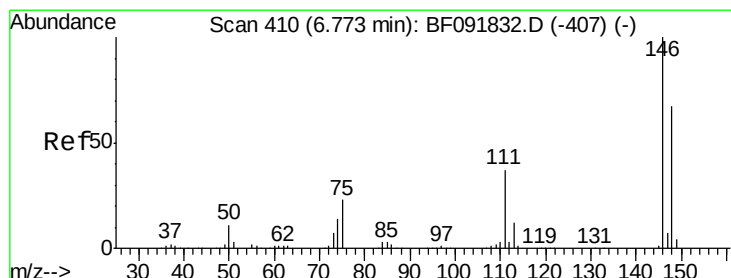
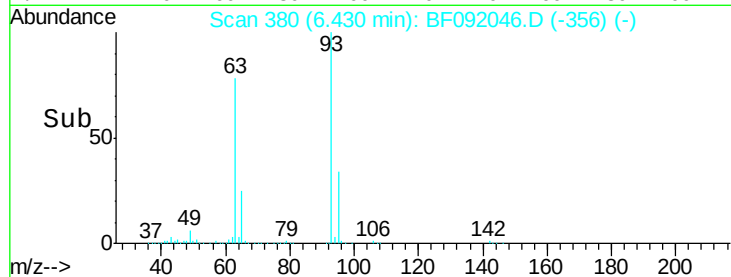
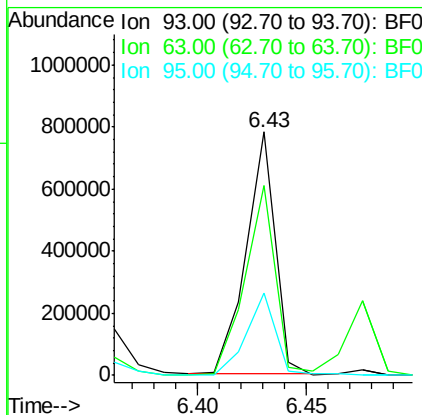
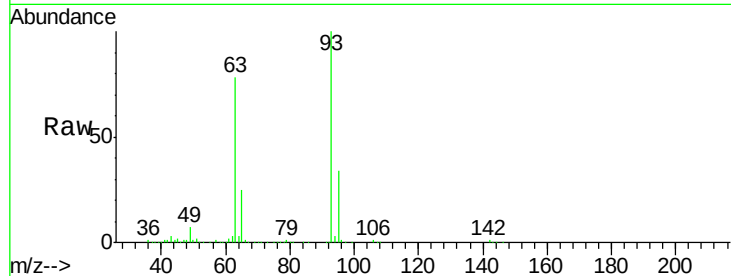
ClientSampleId :

W-4(55-57)MSD

Tot Ion:	93	Resp:	722775
Ion	Ratio	Lower	Upper
93	100		
63	78.0	60.4	100.4
95	33.6	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 52.06 ng

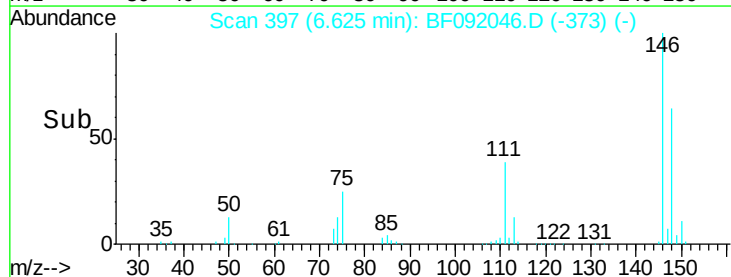
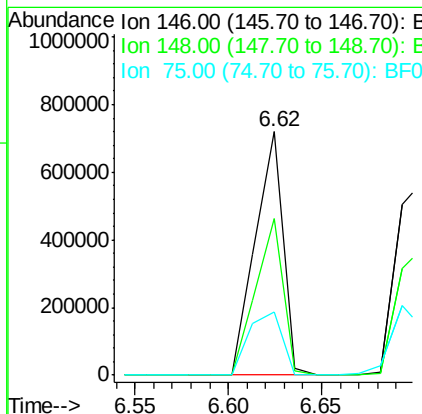
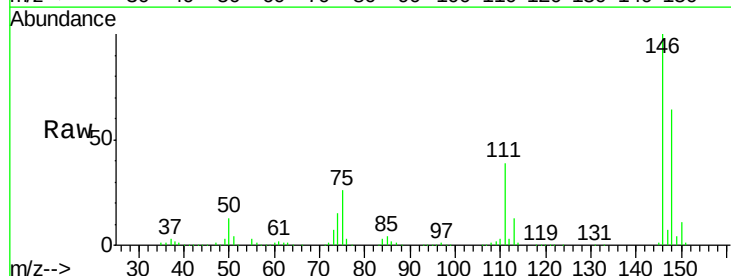
RT: 6.62 min Scan# 397

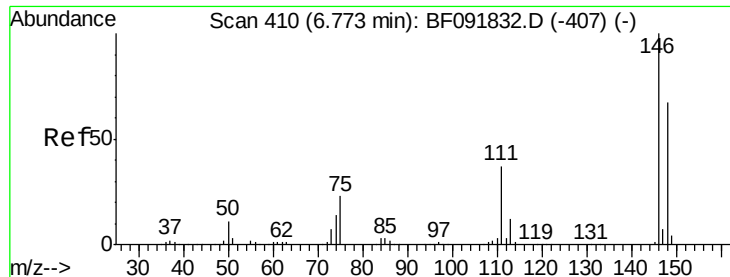
Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Tgt Ion:	146	Resp:	754162
Ion	Ratio	Lower	Upper
146	100		
148	64.3	53.4	80.0
75	26.0	18.5	27.7





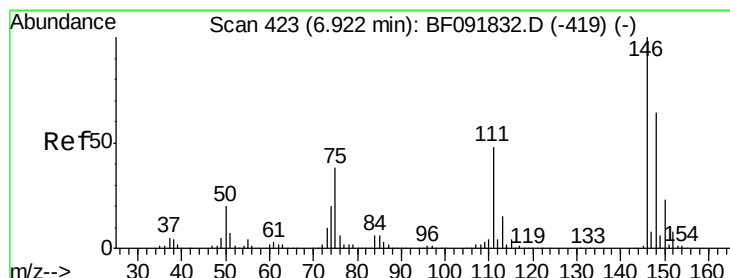
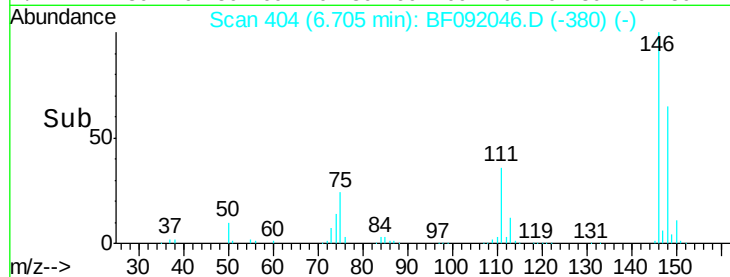
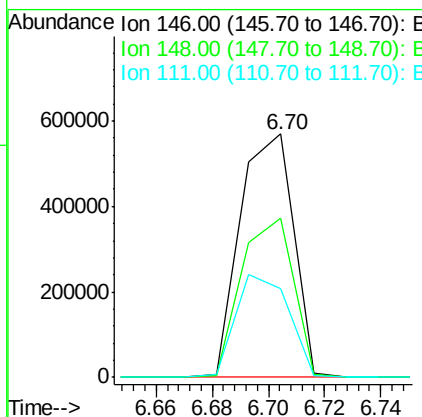
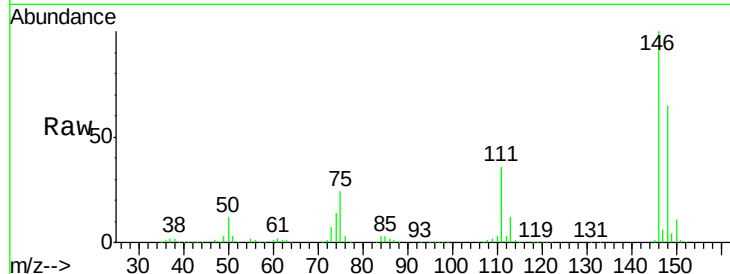
#13
1,4-Dichlorobenzene
Concen: 50.81 ng m
RT: 6.70 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	50.6	76.0
111	36.2	36.2	54.4#

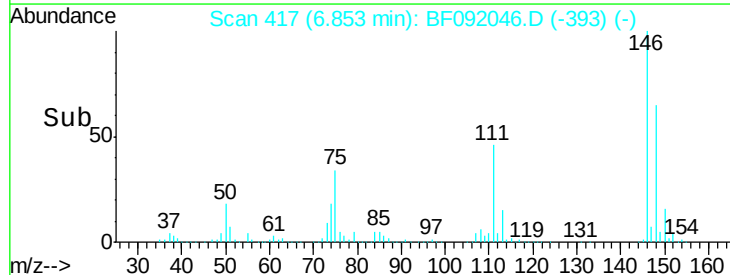
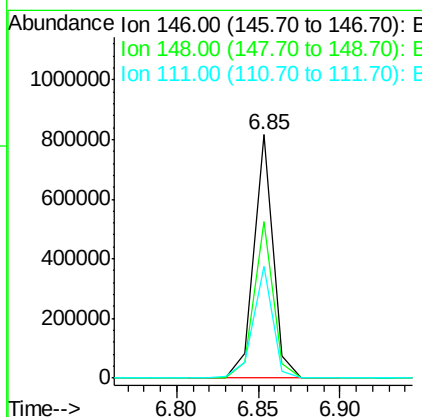
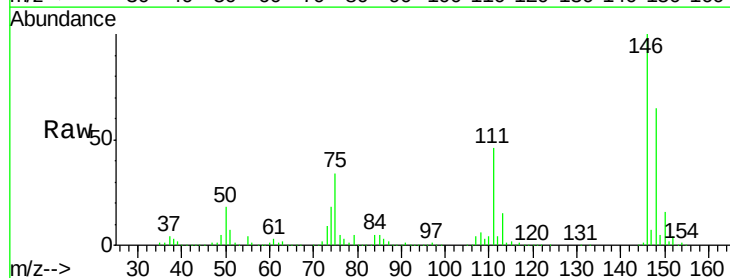
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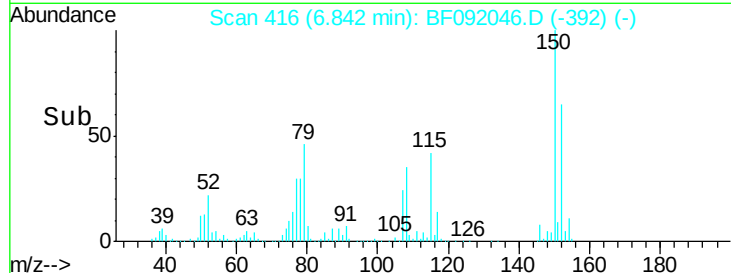
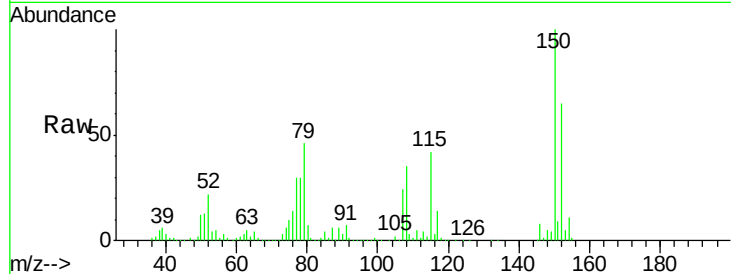
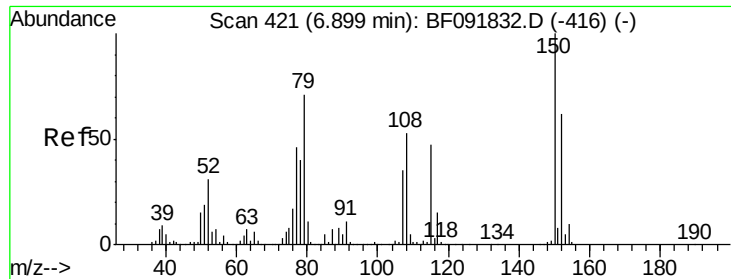
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#14
1,2-Dichlorobenzene
Concen: 52.18 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.2	78.2
111	45.9	36.2	54.2





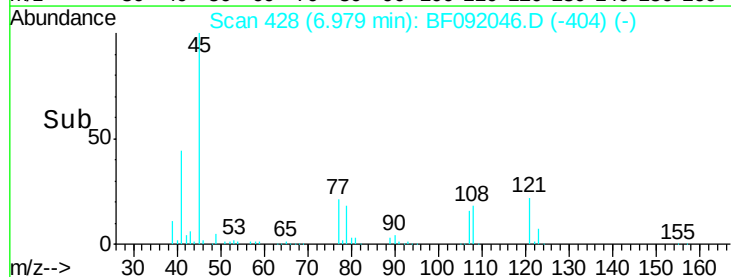
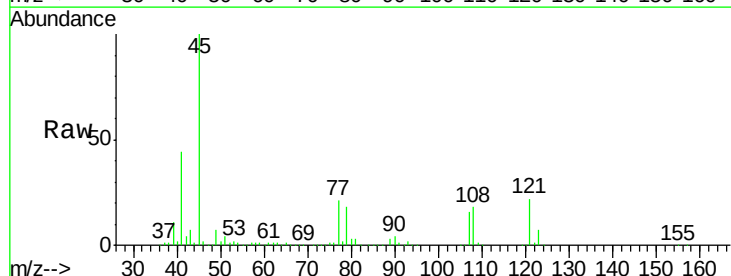
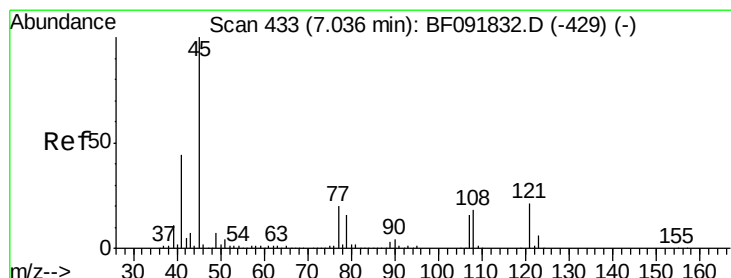
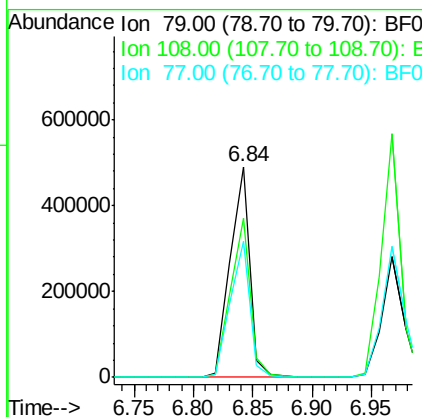
#15
Benzyl Alcohol
Concen: 49.93 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	75.5	61.4	92.0	
77	64.7	50.9	76.3	

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

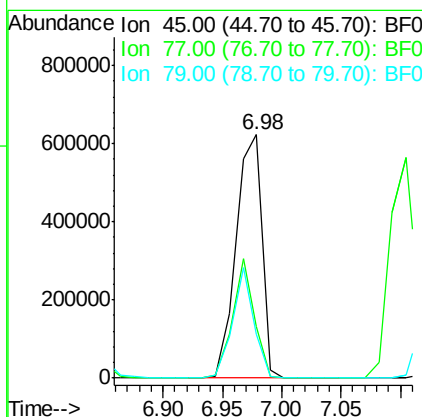
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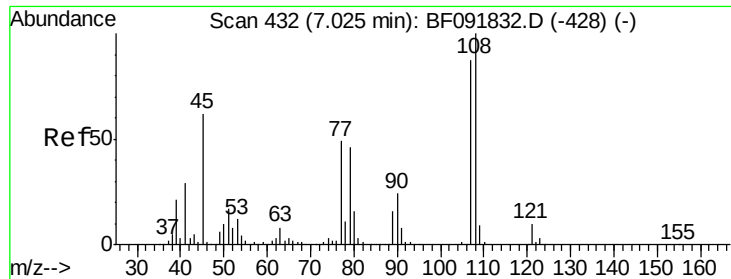
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.87 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	21.4	0.0	34.6	
79	17.9	0.0	31.2	





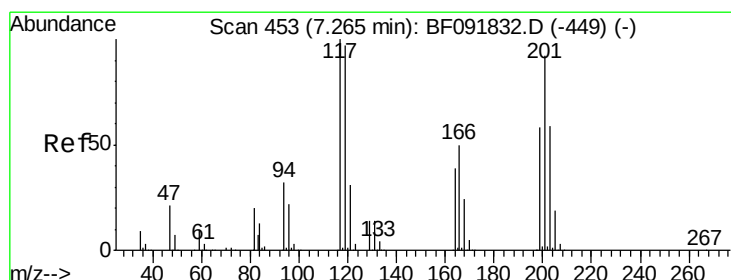
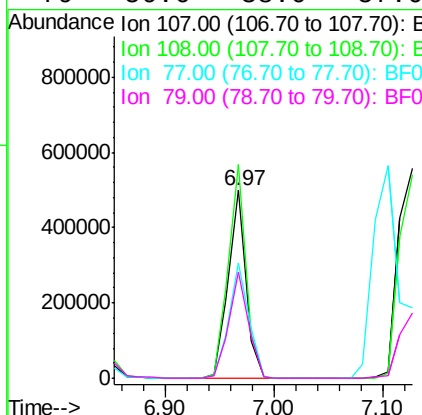
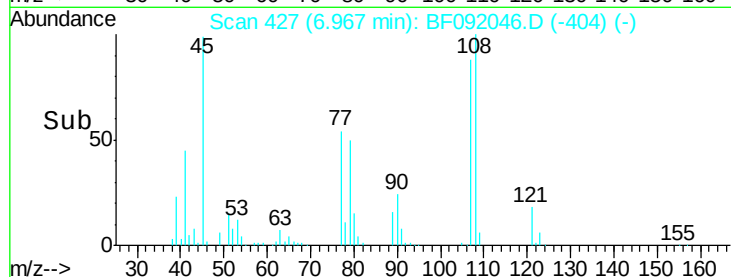
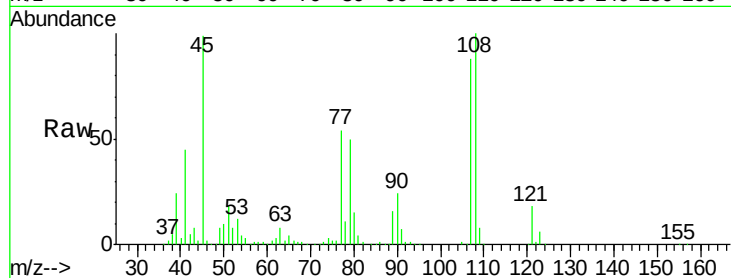
#17
2-Methylphenol
Concen: 51.53 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.9	93.0	139.6	
77	61.4	39.8	59.8	
79	56.6	38.0	57.0	

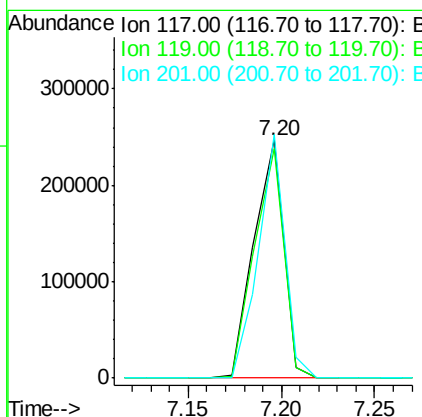
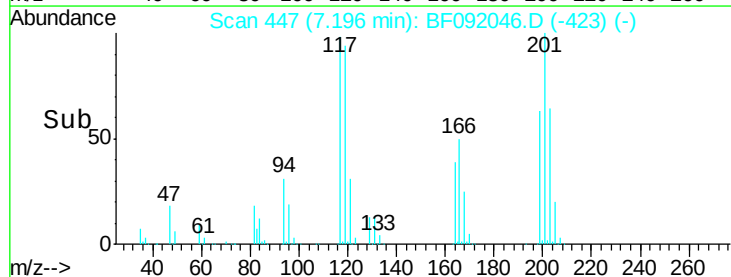
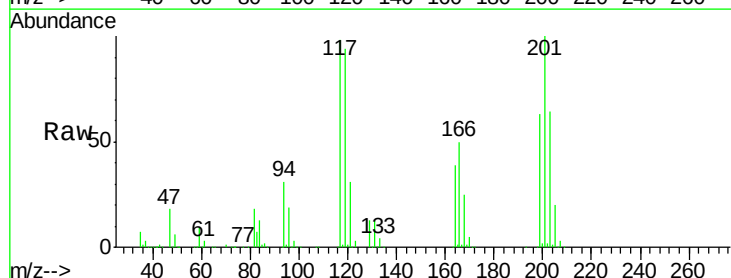
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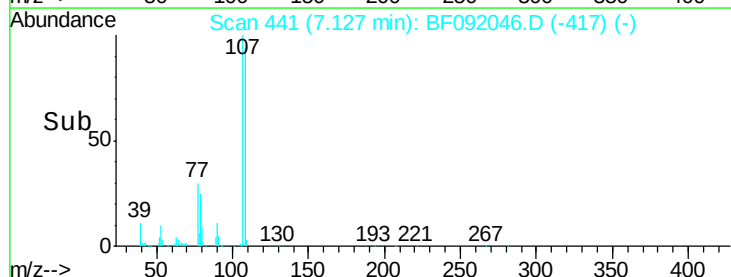
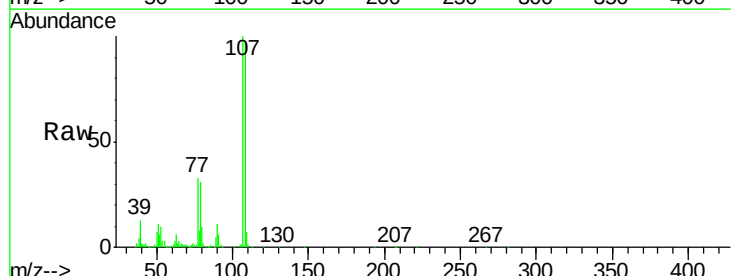
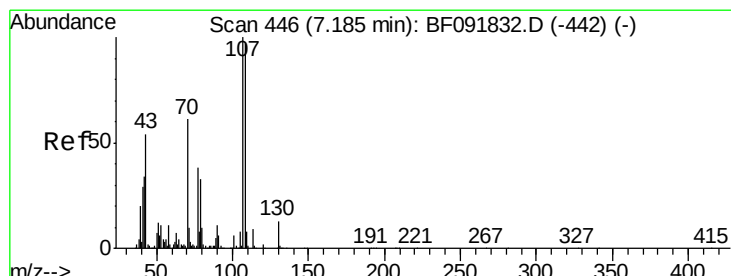
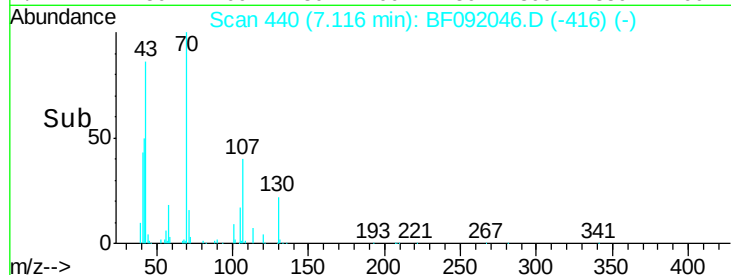
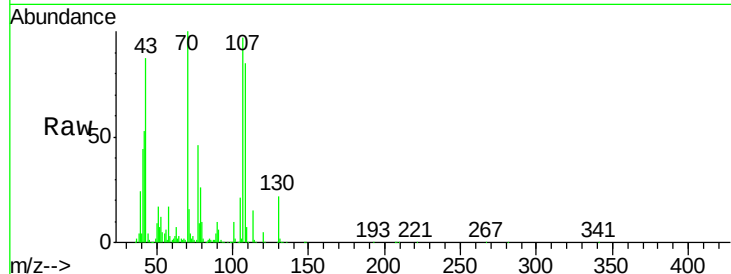
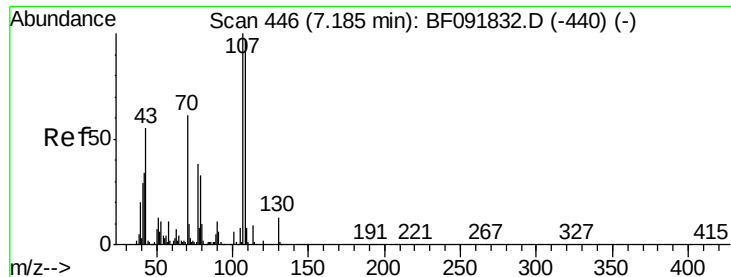
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#18
Hexachloroethane
Concen: 49.77 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

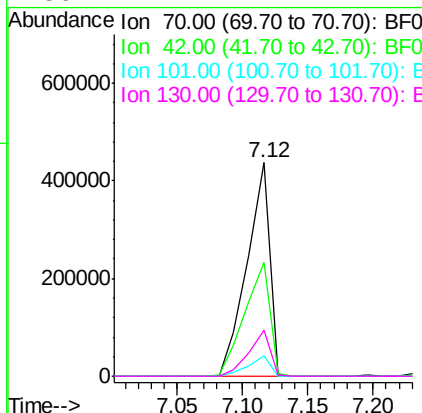
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.5	78.1	117.1	
201	102.3	78.6	117.8	





#19
n-Nitroso-di-n-propylamine
Concen: 55.05 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	53.3	49.4	74.0		
101	9.8	7.4	11.2		
130	21.7	14.2	21.4		



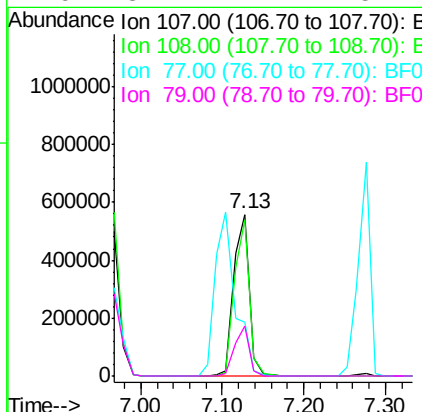
Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

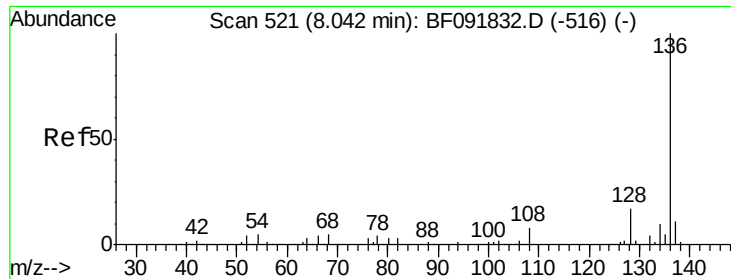
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#20
3+4-Methylphenols
Concen: 56.71 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	96.5	73.0	113.0		
77	33.4	71.3	111.3		
79	31.2	11.1	51.1		





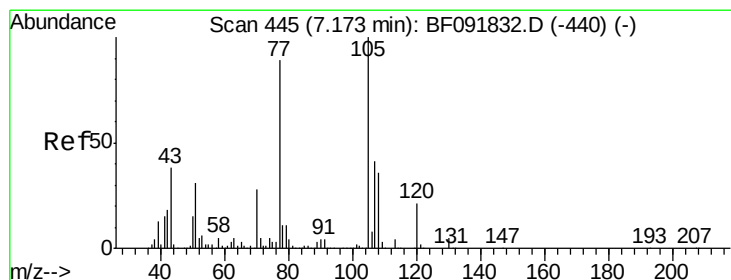
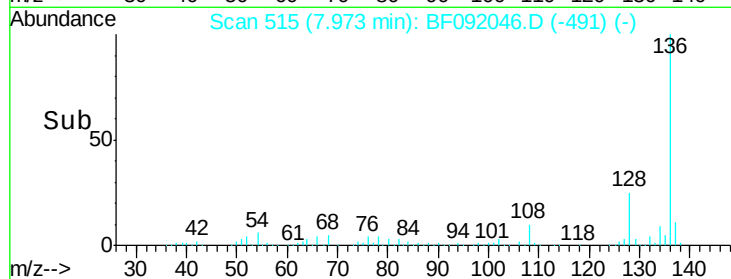
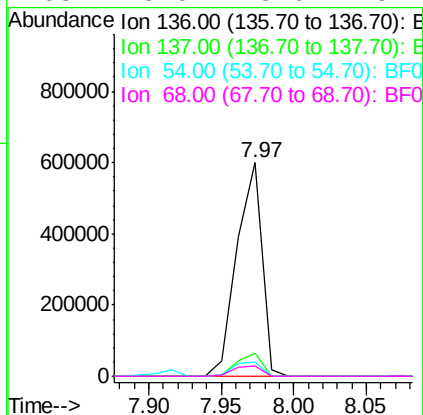
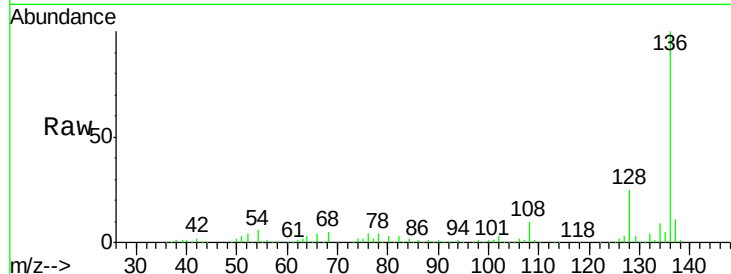
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	722669		
137	10.6		8.4	12.6
54	6.3		4.5	6.7
68	5.0		3.6	5.4

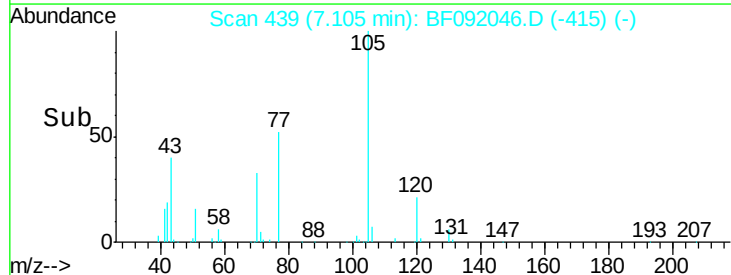
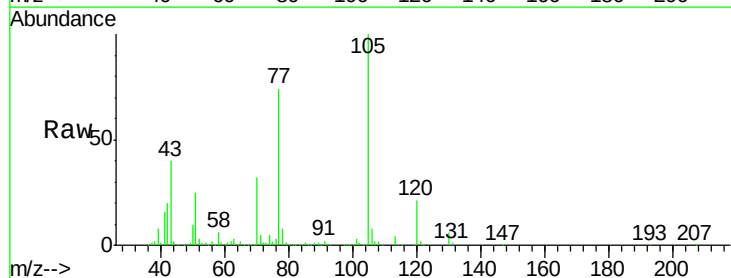
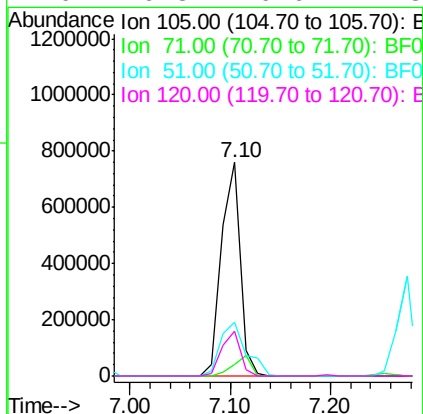
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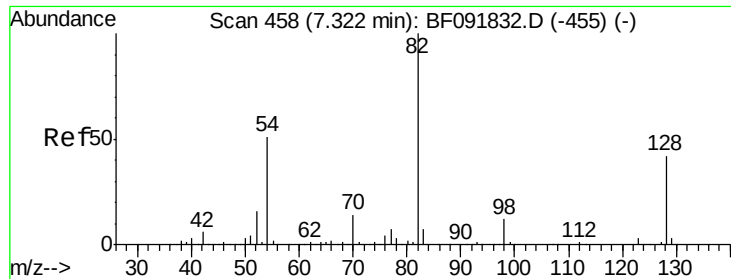
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#22
Acetophenone
Concen: 55.43 ng
RT: 7.10 min Scan# 439
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	988004		
71	5.5		3.2	4.8#
51	25.0		26.2	39.4#
120	20.8		16.6	24.8





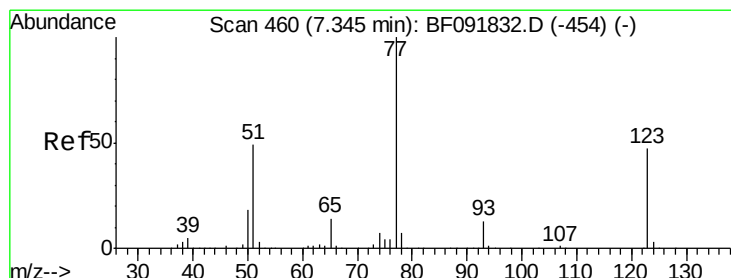
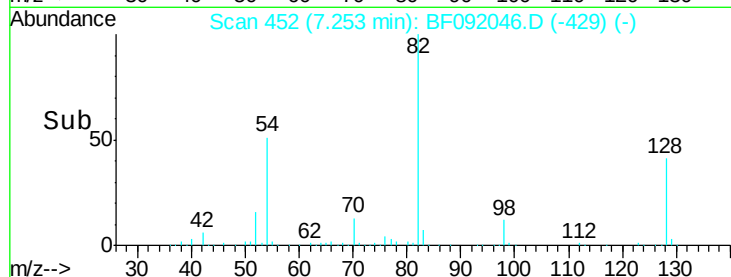
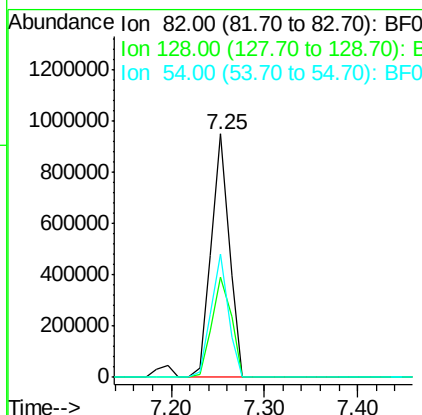
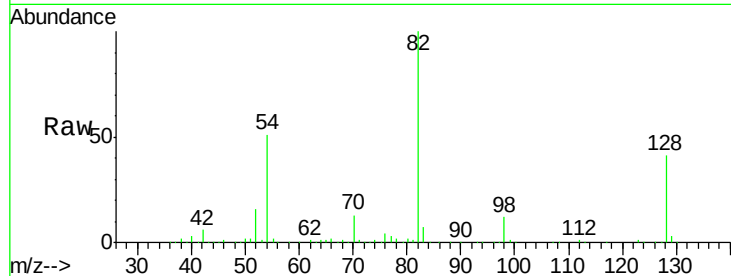
#23
 Nitrobenzene-d5
 Concen: 98.53 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.03 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Tot Ion	82	Resp	1280505
Ion Ratio	100	Lower	Upper
82	100		
128	41.3	34.6	52.0
54	50.8	39.5	59.3

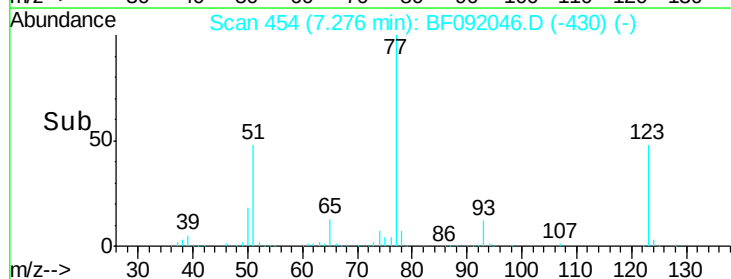
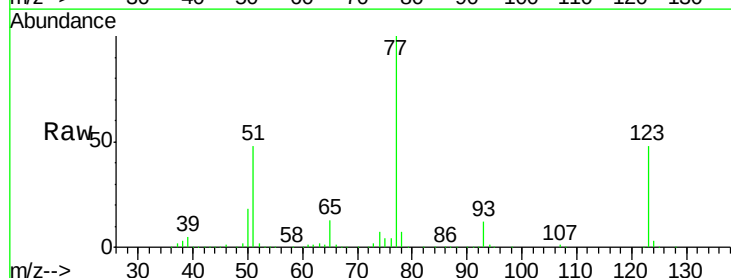
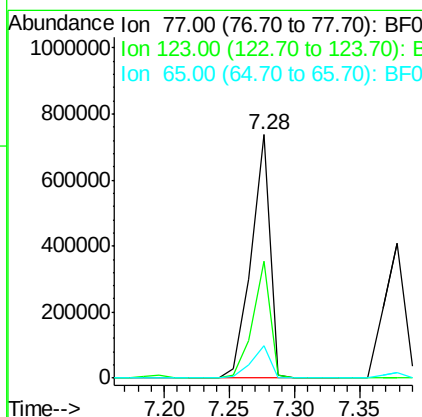
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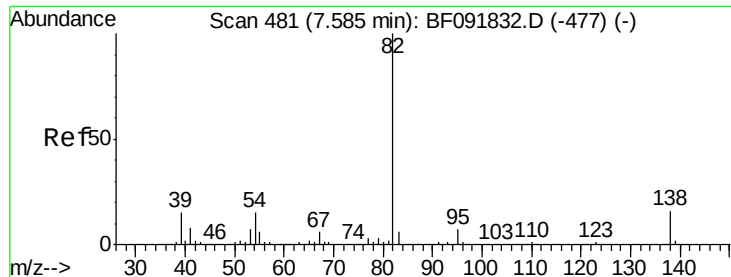
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#24
 Nitrobenzene
 Concen: 53.27 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Tgt Ion	77	Resp	737400
Ion Ratio	100	Lower	Upper
77	100		
123	47.9	33.0	49.4
65	13.2	11.2	16.8





#25

Isophorone

Concen: 52.18 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampleId :

W-4(55-57)MSD

Tot Ion: 82 Resp: 1251248

Ion Ratio Lower Upper

82 100

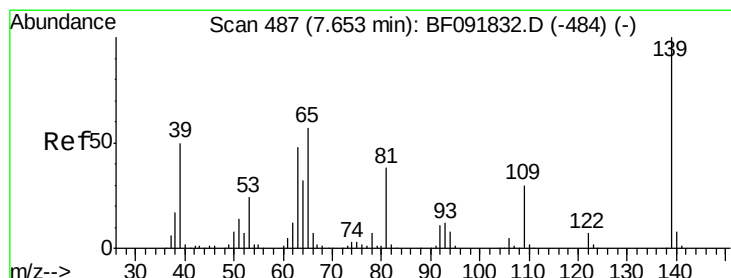
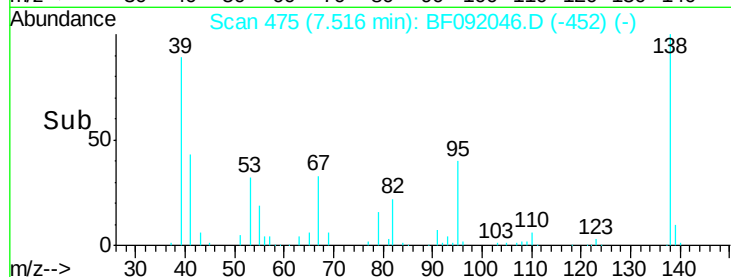
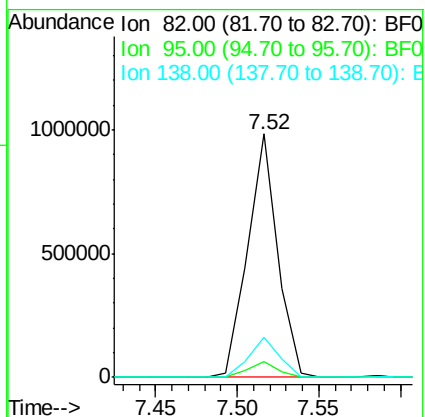
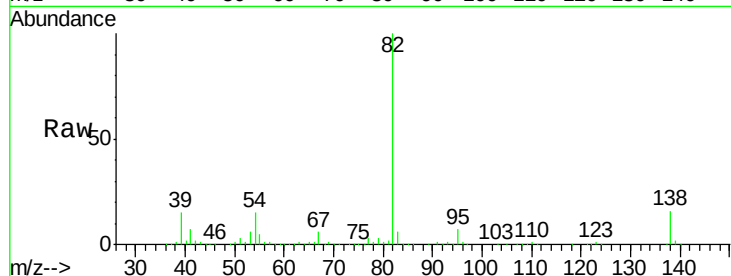
95 6.6 5.6 8.4

138 16.4 14.6 22.0

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#26

2-Nitrophenol

Concen: 50.99 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

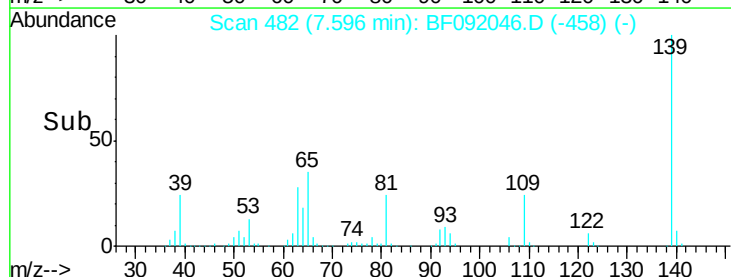
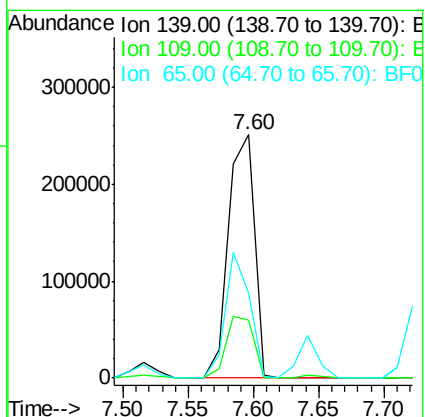
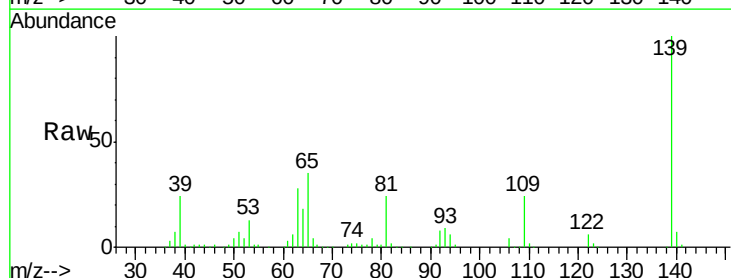
Tgt Ion: 139 Resp: 348043

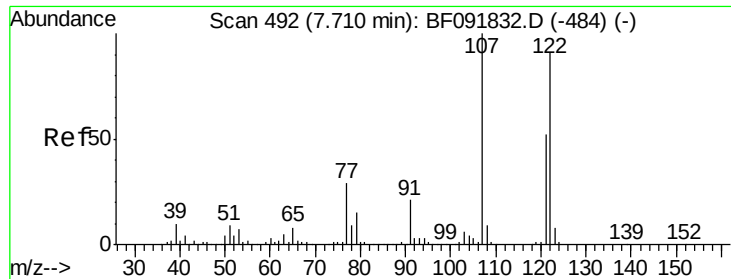
Ion Ratio Lower Upper

139 100

109 24.0 23.3 34.9

65 34.7 42.7 64.1#





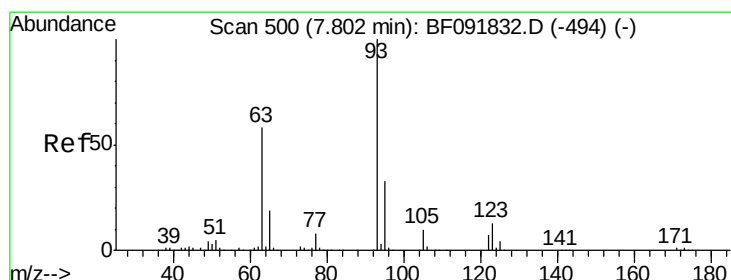
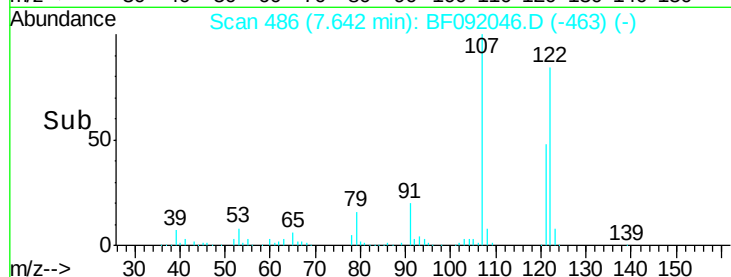
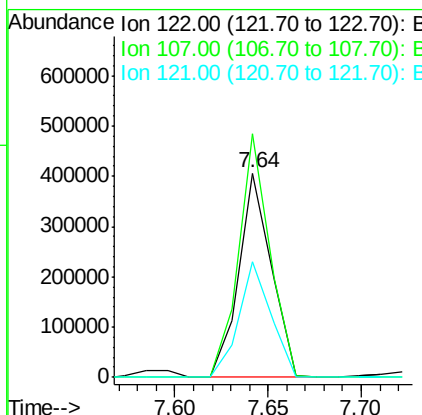
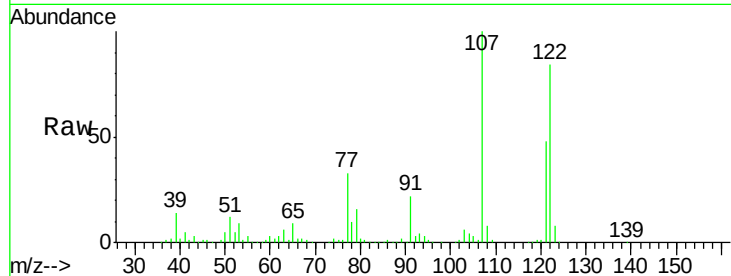
#27
2,4-Dimethylphenol
Concen: 43.55 ng
RT: 7.64 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	493085		
107	119.3		94.1	141.1
121	56.8		46.0	69.0

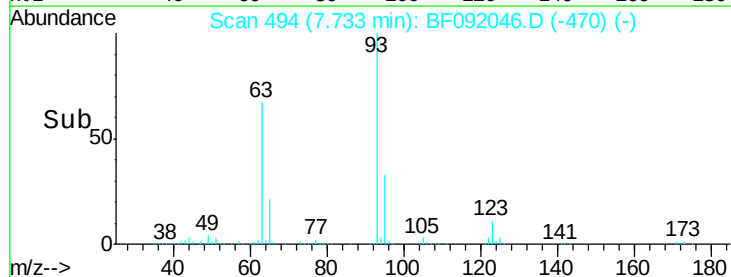
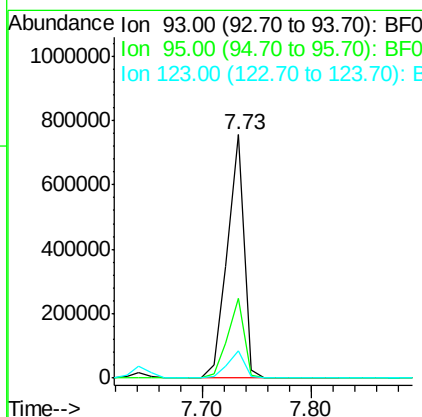
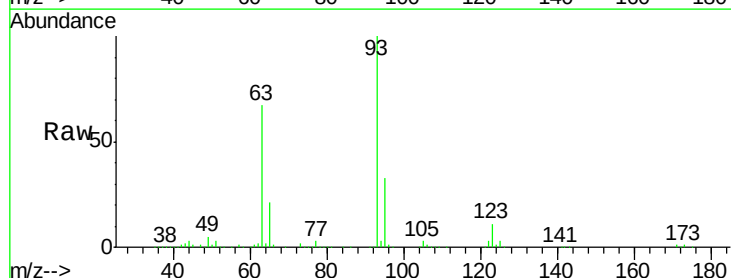
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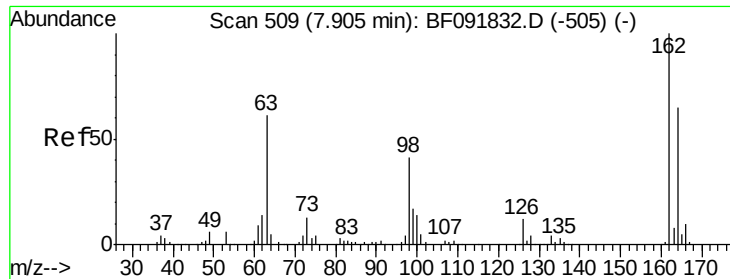
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 55.33 ng
RT: 7.73 min Scan# 494
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	804563		
95	32.8		26.5	39.7
123	11.1		8.6	13.0





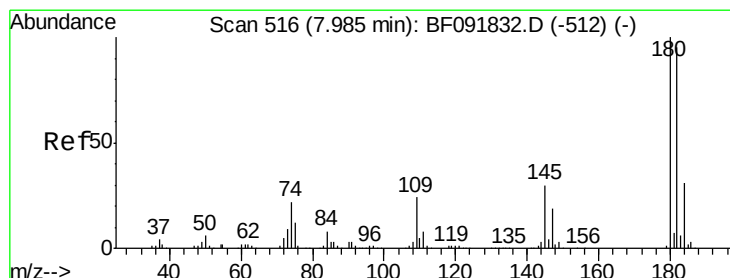
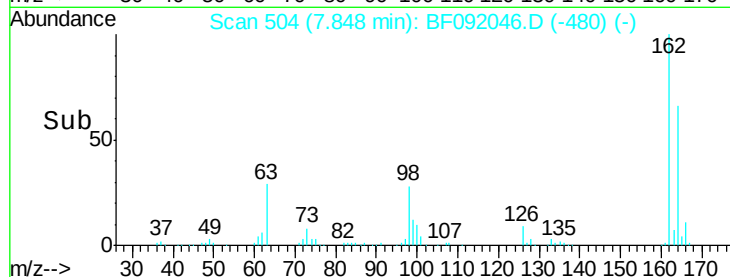
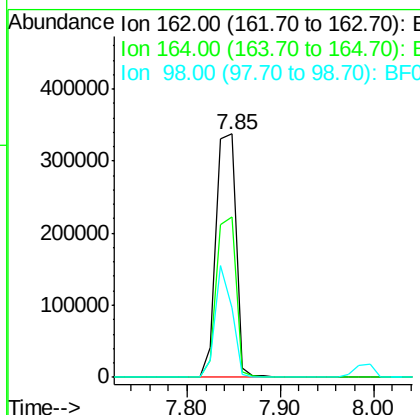
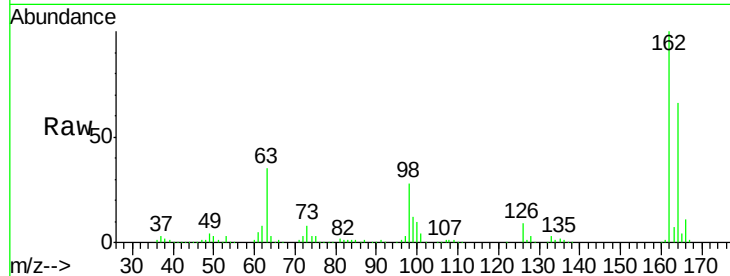
#29
 2,4-Dichlorophenol
 Concen: 52.16 ng
 RT: 7.85 min Scan# 504
 Delta R.T. -0.02 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	66.0	46.8	86.8
98	28.5	9.1	49.1

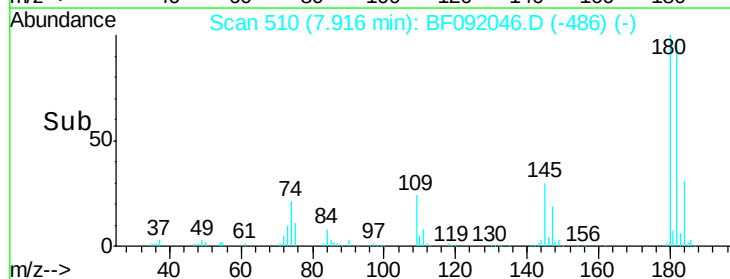
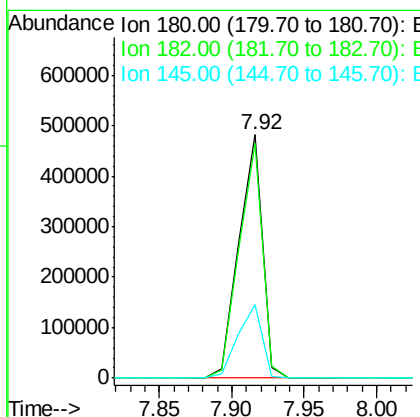
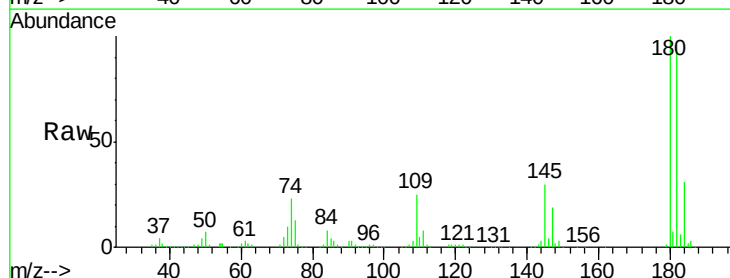
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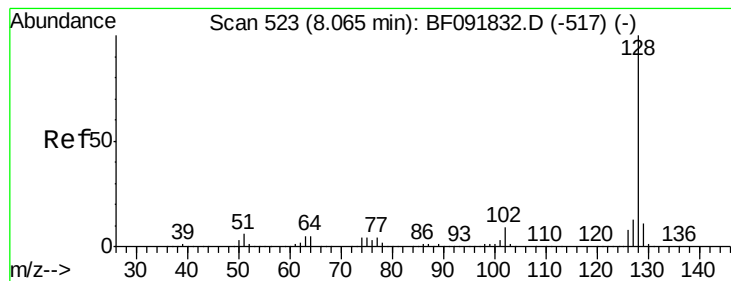
mohammad
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#30
 1,2,4-Trichlorobenzene
 Concen: 51.49 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.4	78.2	117.4
145	30.3	21.6	32.4





#31

Naphthalene

Concen: 53.85 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampleId :

W-4(55-57)MSD

Tot Ion:128 Resp: 1781187

Ion Ratio Lower Upper

128 100

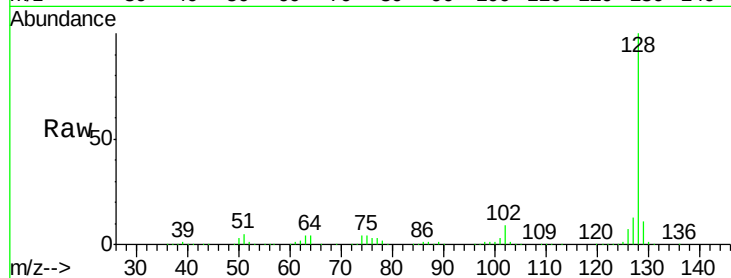
129 11.2 9.5 14.3

127 13.3 10.8 16.2

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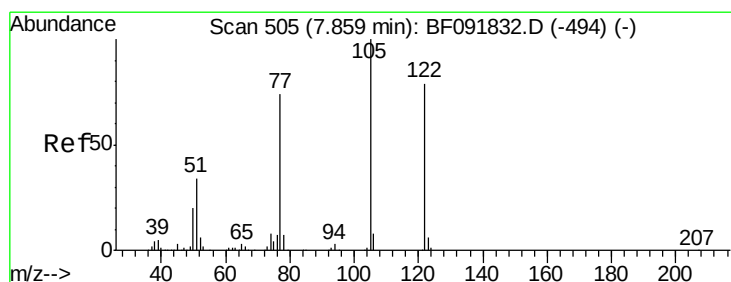
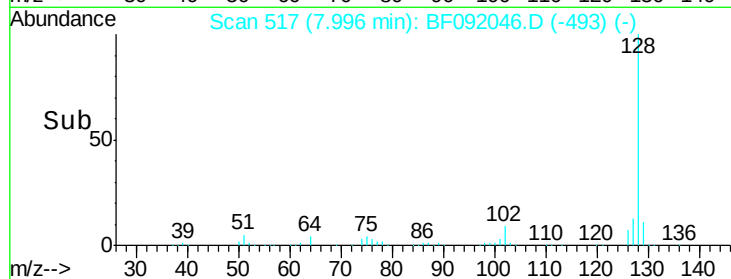
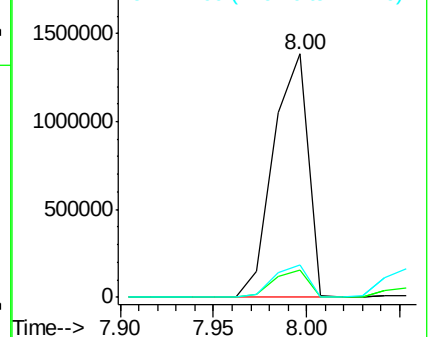
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.67 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.09 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

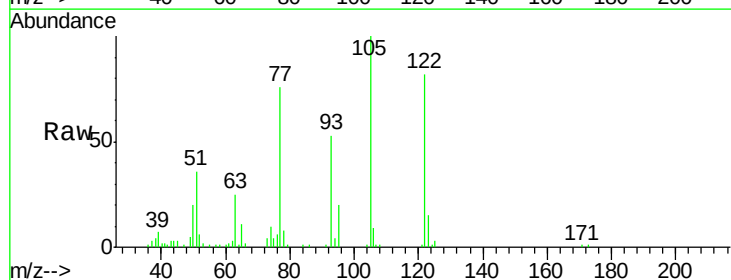
Tgt Ion:122 Resp: 81245

Ion Ratio Lower Upper

122 100

105 121.2 107.2 147.2

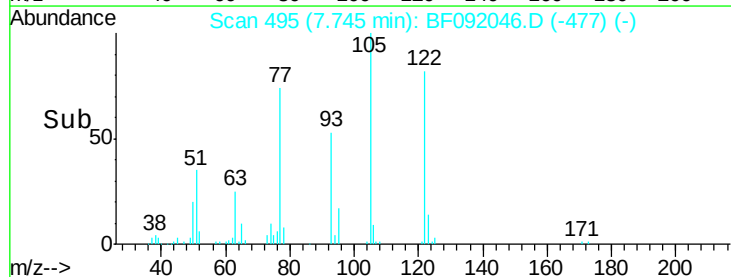
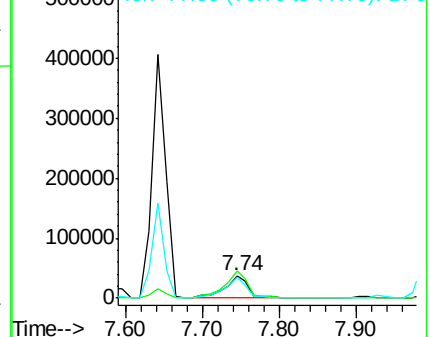
77 92.1 74.5 114.5

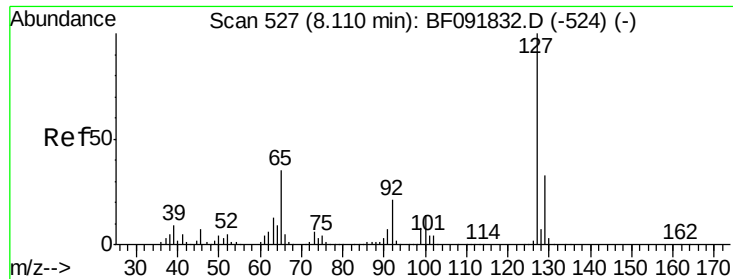


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





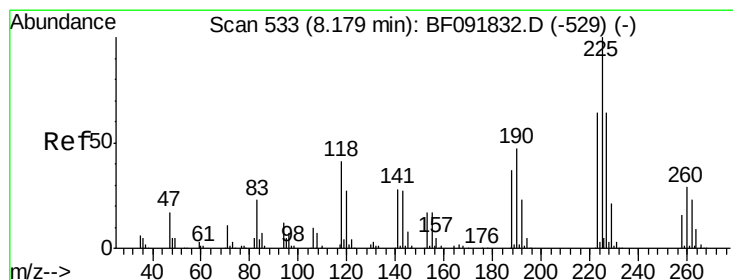
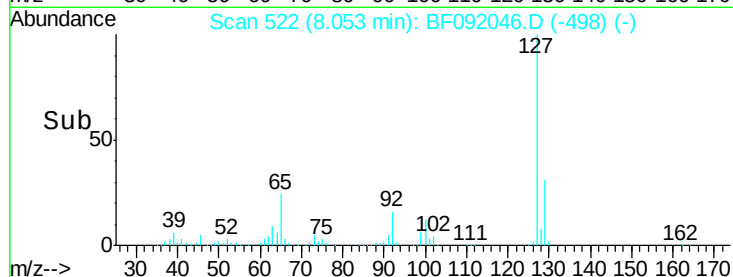
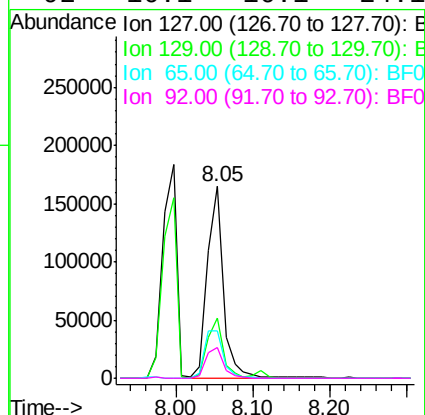
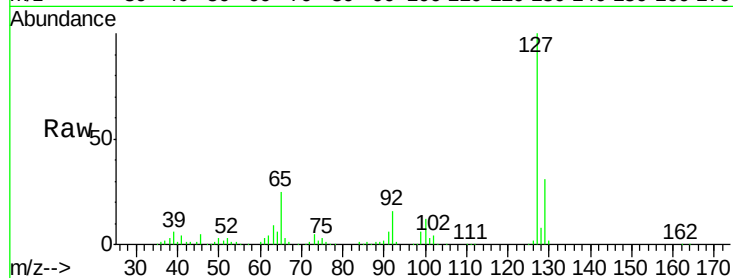
#33
4-Chloroaniline
Concen: 15.84 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.2	26.3	39.5	
65	24.7	25.8	38.8	
92	16.1	16.1	24.1	

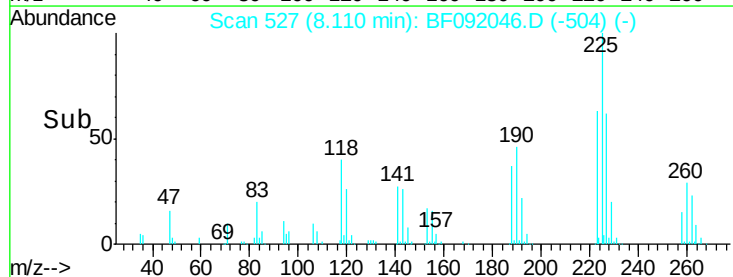
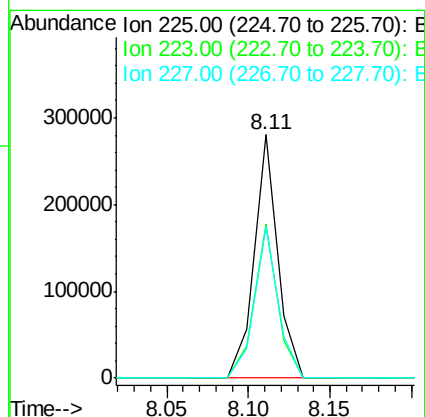
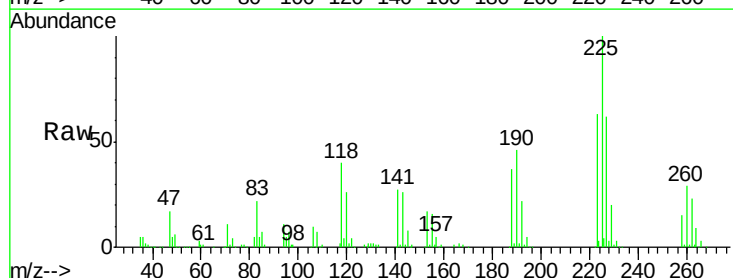
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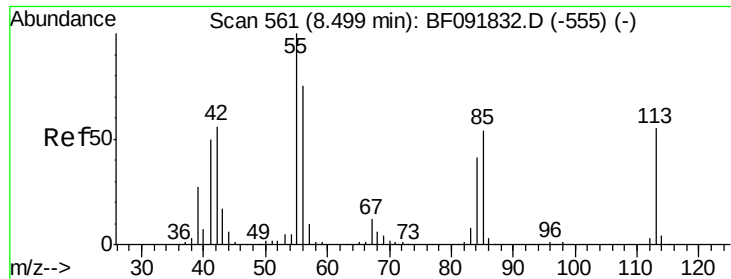
mohammad
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#34
Hexachlorobutadiene
Concen: 50.54 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	51.0	76.6	
227	62.2	50.6	76.0	





#35

Caprolactam

Concen: 53.91 ng/ml

RT: 8.43 min Scan# 555

Delta R.T. -0.05 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampleId :

W-4(55-57)MSD

Tot Ion:113 Resp: 169842

Ion Ratio Lower Upper

113 100

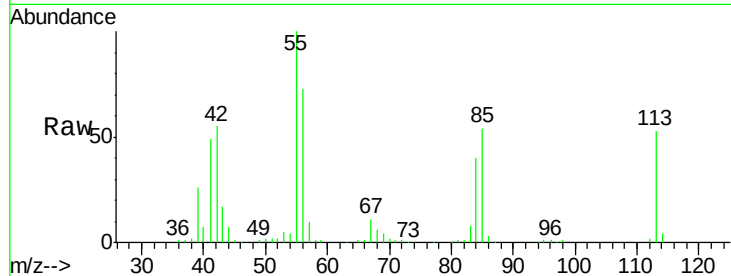
55 188.5 119.2 159.2#

56 137.8 83.8 123.8#

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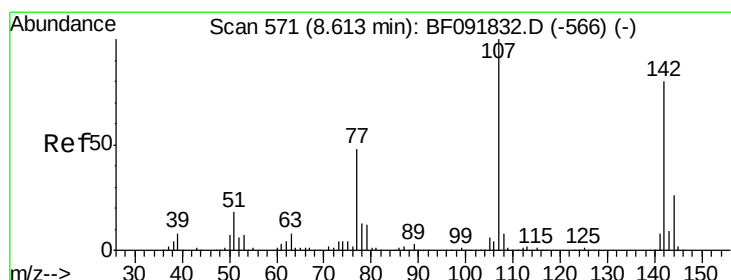
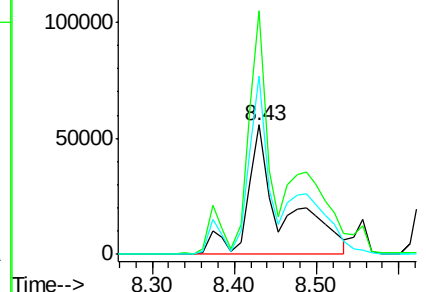
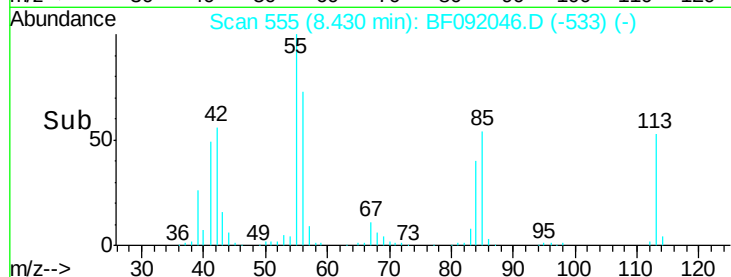
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 52.08 ng/ml

RT: 8.56 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

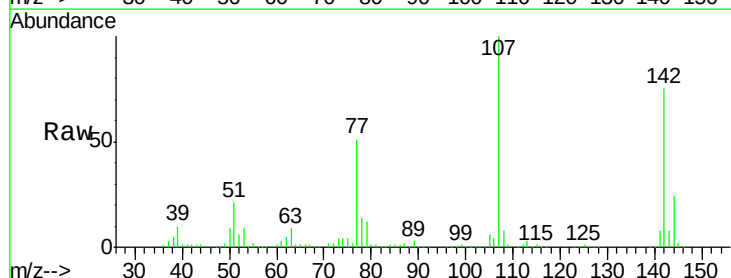
Tgt Ion:107 Resp: 574494

Ion Ratio Lower Upper

107 100

144 23.9 19.3 28.9

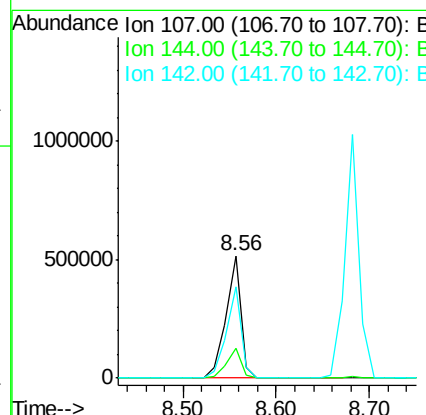
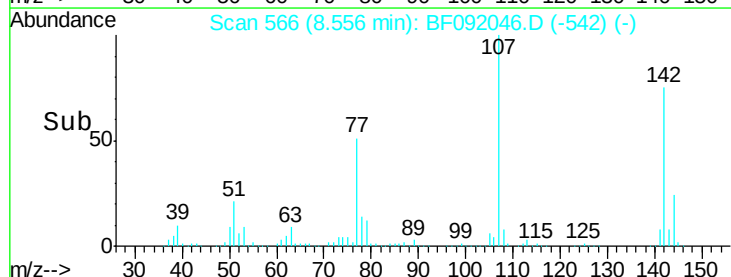
142 74.7 59.0 88.6

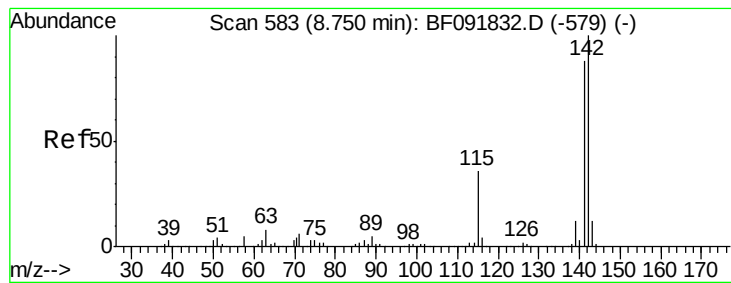


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





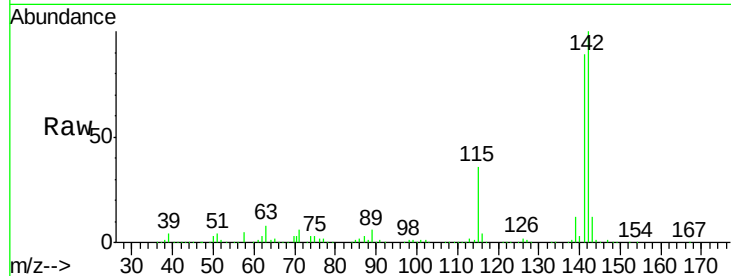
#37
2-Methylnaphthalene
Concen: 65.31 ng
RT: 8.68 min Scan# 577
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

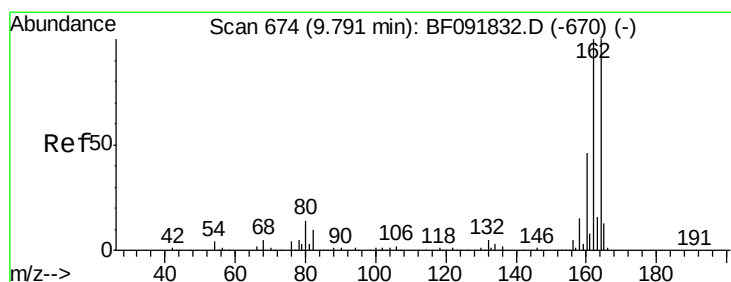
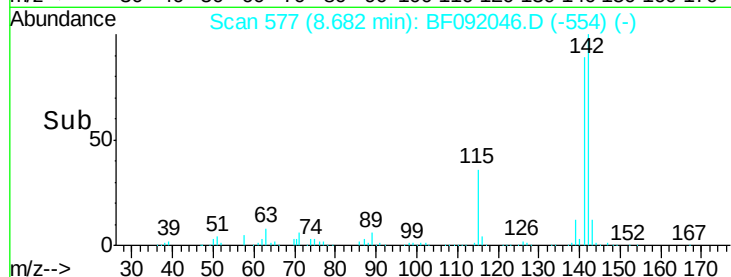
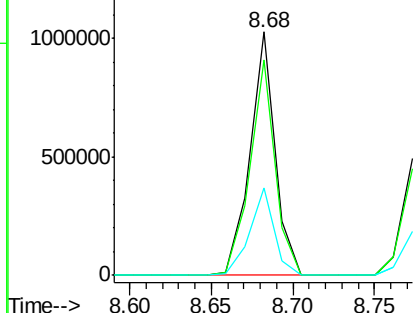
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.6
115	36.0	28.3	42.5

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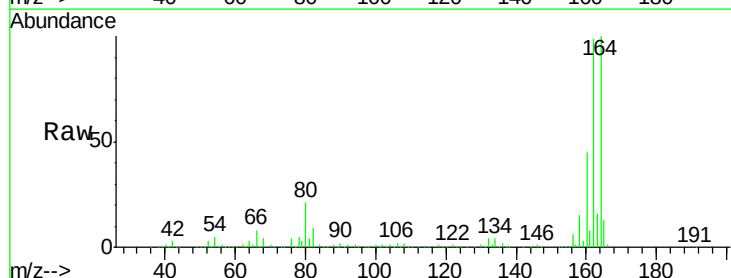


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

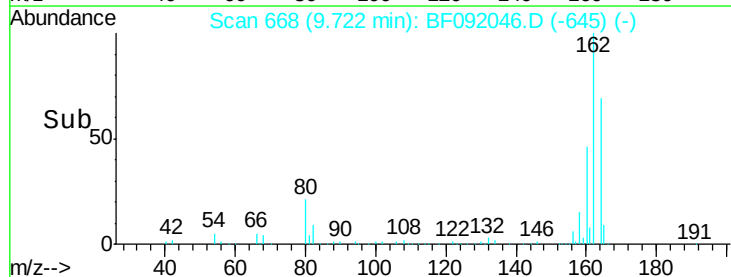
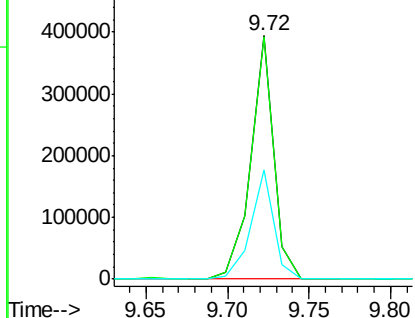


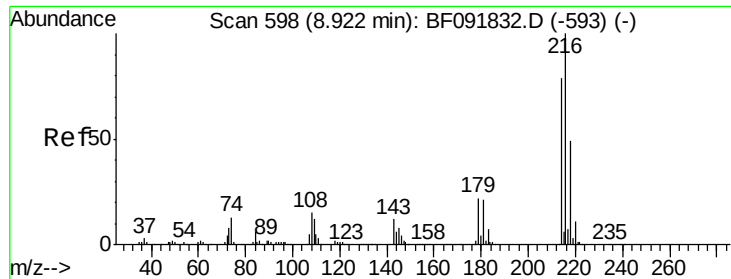
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.2	120.2
160	44.9	36.9	55.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





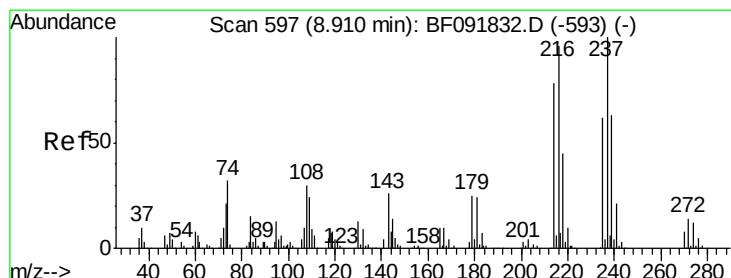
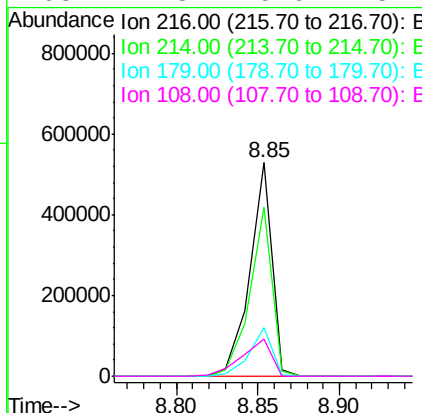
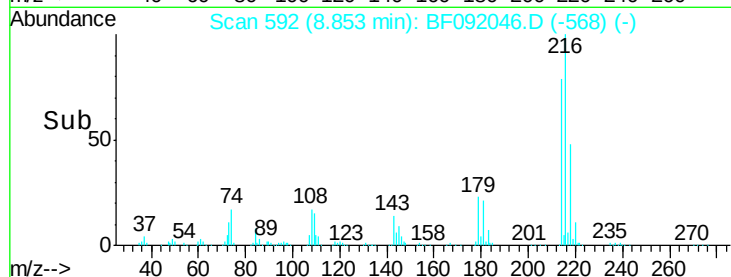
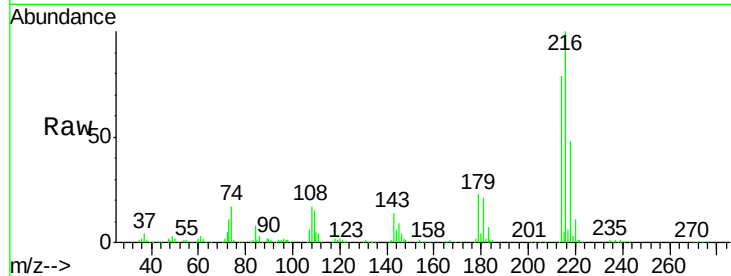
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 51.39 ng
 RT: 8.85 min Scan# 592
 Delta R.T. -0.02 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		498182		
214	79.5	63.4	95.0		
179	23.2	17.4	26.2		
108	22.8	15.6	23.4		

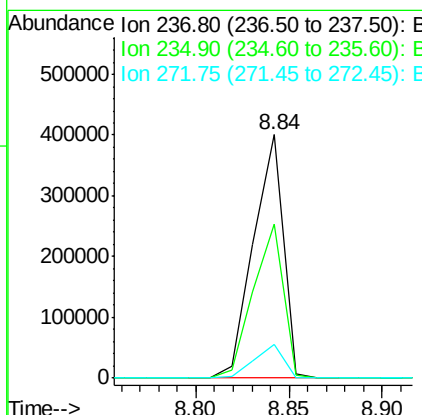
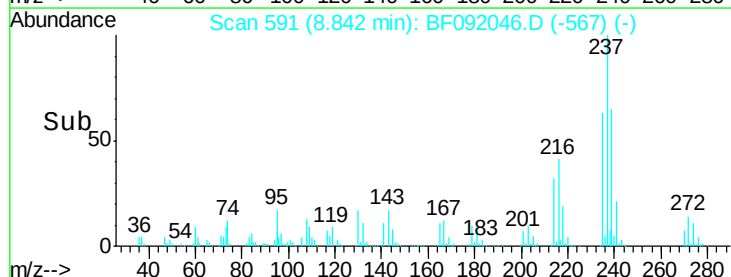
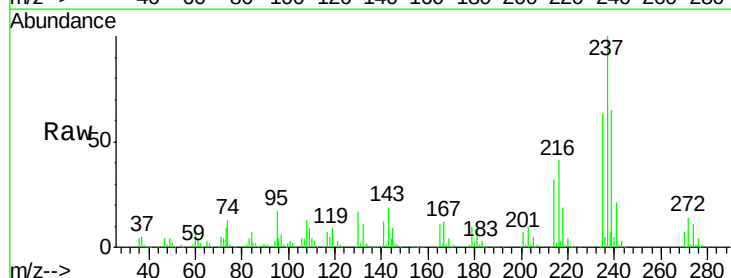
Manual Integrations
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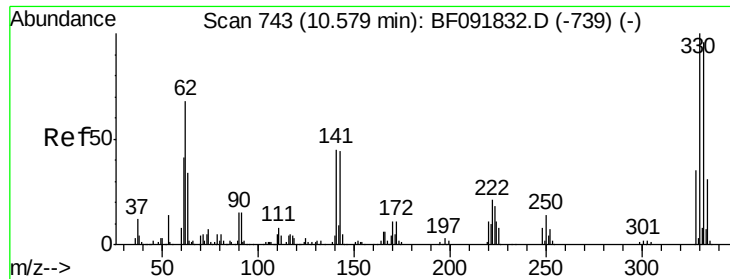
mohammad
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#40
 Hexachlorocyclopentadiene
 Concen: 101.70 ng
 RT: 8.84 min Scan# 591
 Delta R.T. -0.02 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		444013		
235	63.4	41.2	81.2		
272	14.0	0.0	35.4		





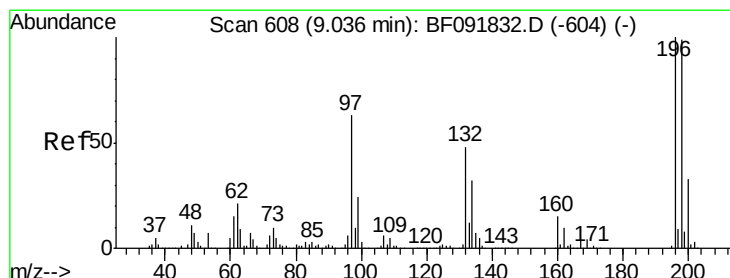
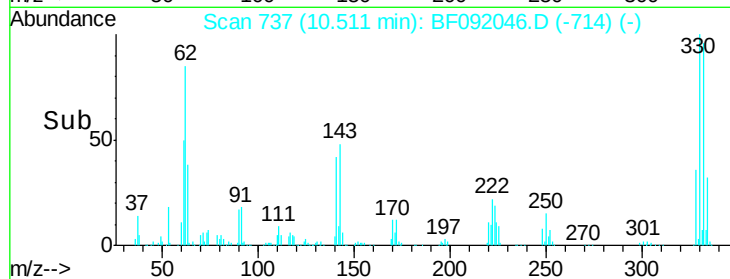
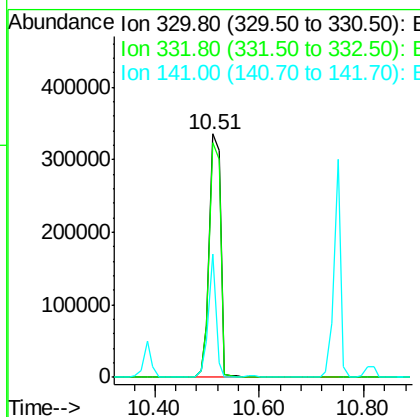
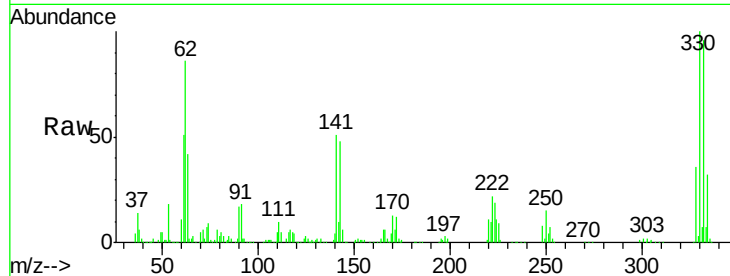
#41
 2,4,6-Tribromophenol
 Concen: 160.94 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.03 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	511050		
332	96.4		77.4	116.2
141	34.0		34.1	51.1#

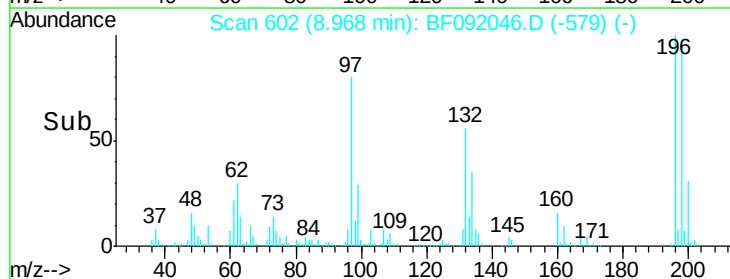
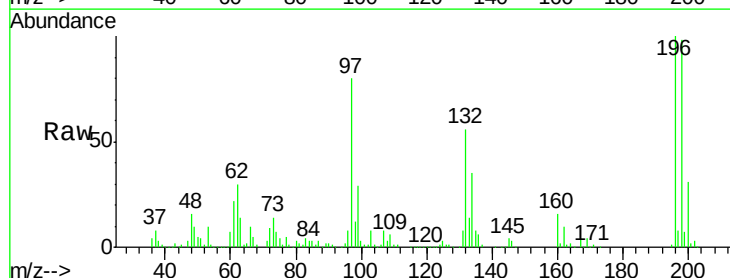
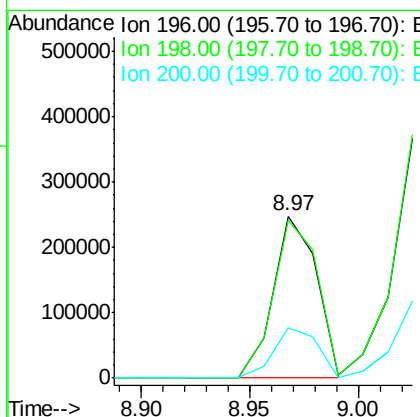
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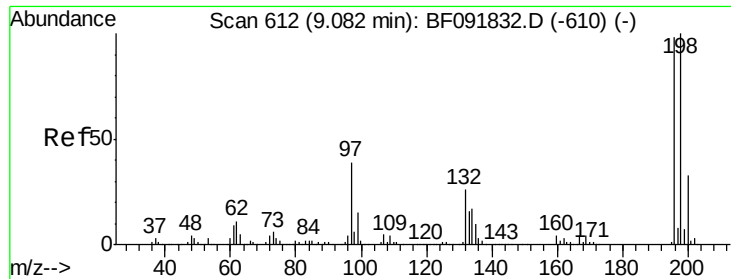
mohammad
 1/3/2017 9:14:18 AM



#42
 2,4,6-Trichlorophenol
 Concen: 51.12 ng
 RT: 8.97 min Scan# 602
 Delta R.T. -0.03 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	346591		
198	97.8		82.1	123.1
200	31.3		27.0	40.4





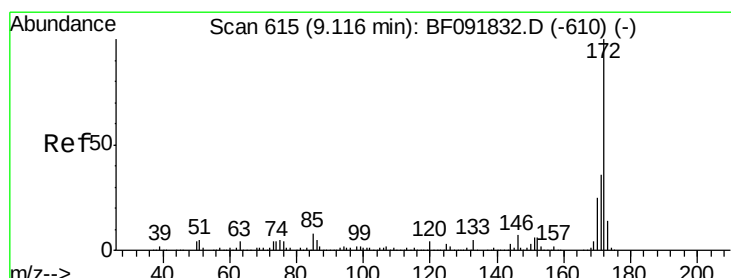
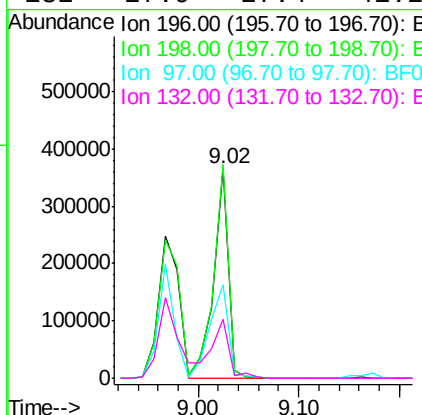
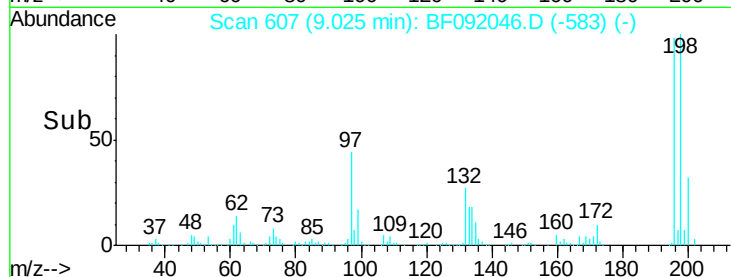
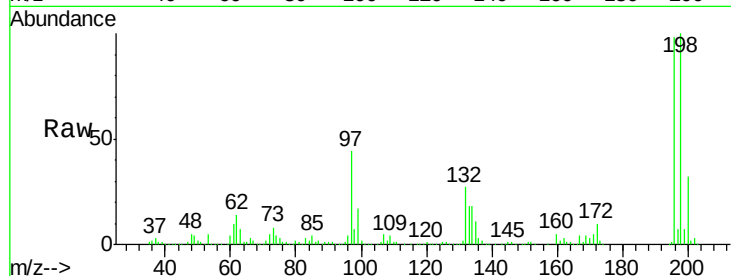
#43
 2,4,5-Trichlorophenol
 Concen: 53.28 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	371777		
198	101.8	79.4	119.2	
97	44.7	51.5	77.3	
132	27.9	27.4	41.2	

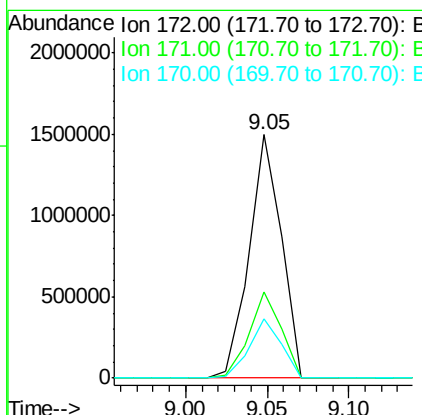
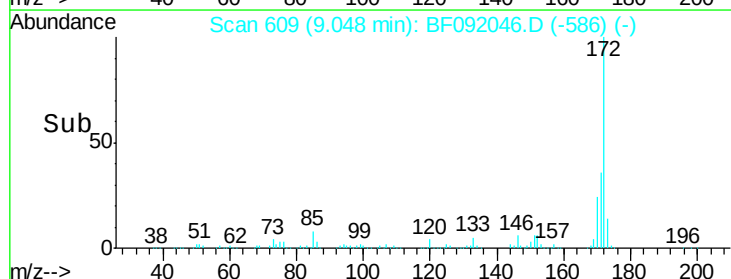
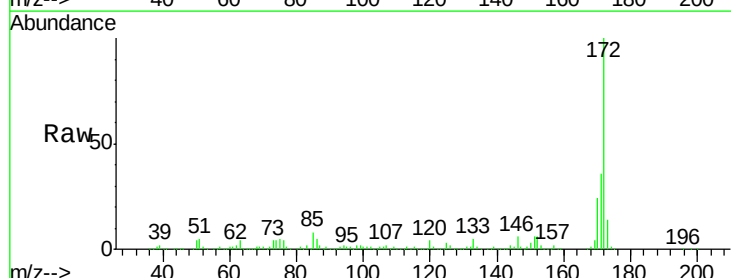
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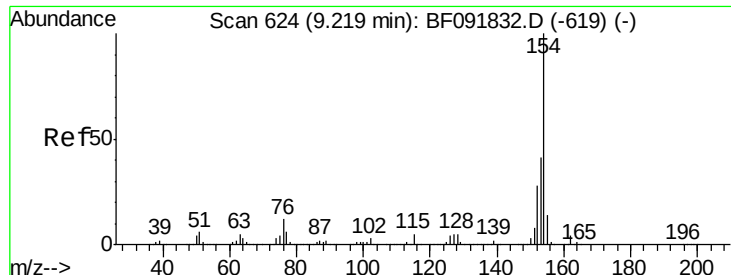
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 113.24 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.03 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2040402		
171	35.6	29.4	44.0	
170	24.4	20.2	30.4	





#45

1,1'-Biphenyl

Concen: 54.83 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampleId :

W-4(55-57)MSD

Tot Ion:154 Resp: 1440608

Ion Ratio Lower Upper

154 100

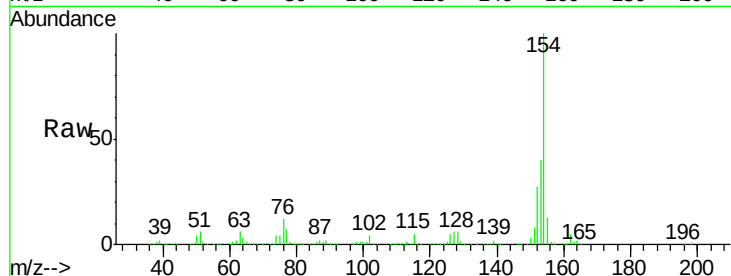
153 40.2 20.9 60.9

76 12.4 0.0 30.5

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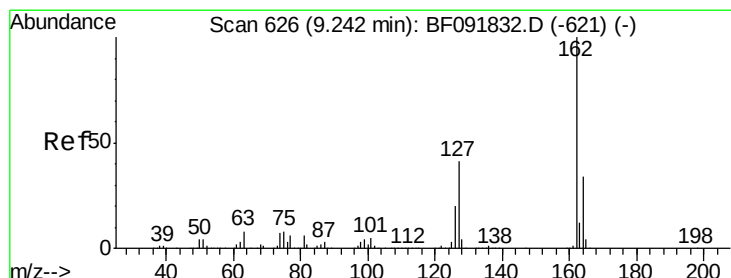
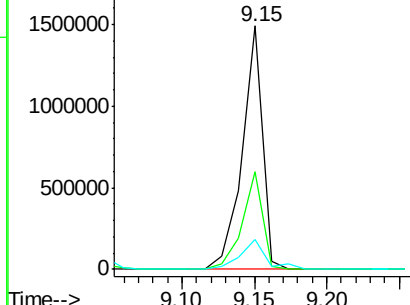
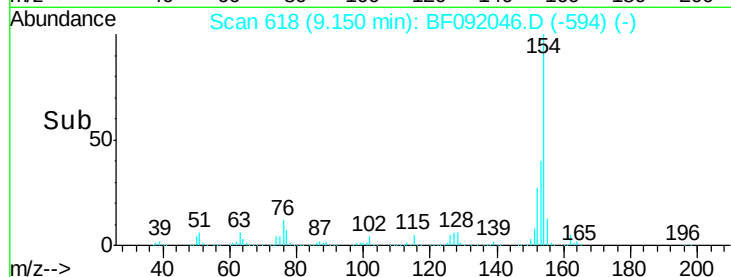
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 52.85 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

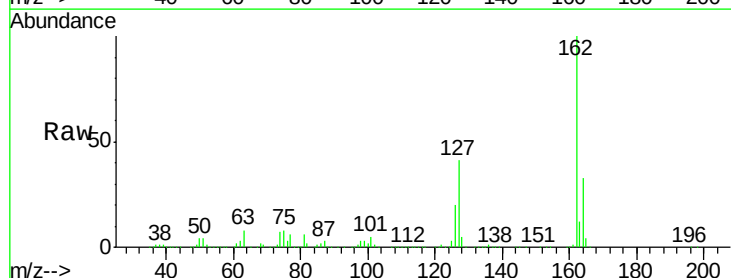
Tgt Ion:162 Resp: 1099656

Ion Ratio Lower Upper

162 100

127 40.9 30.7 46.1

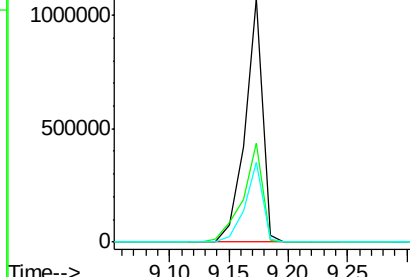
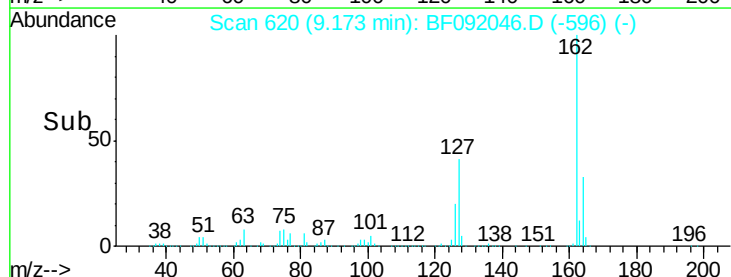
164 32.9 27.6 41.4

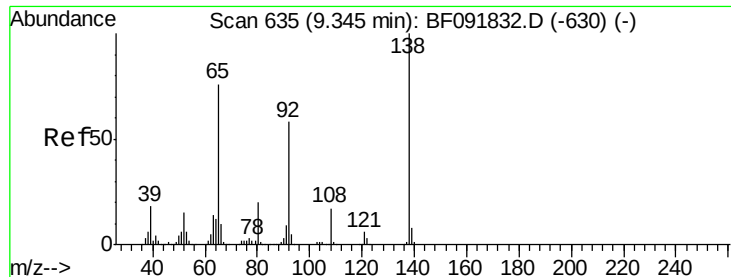


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





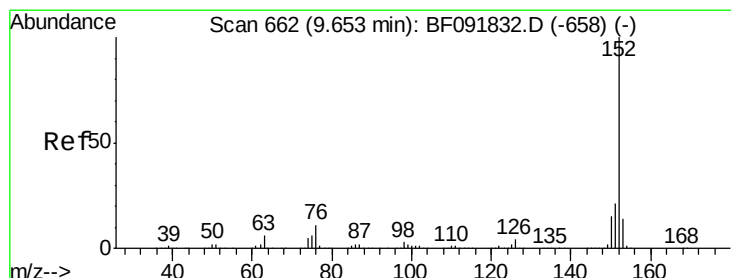
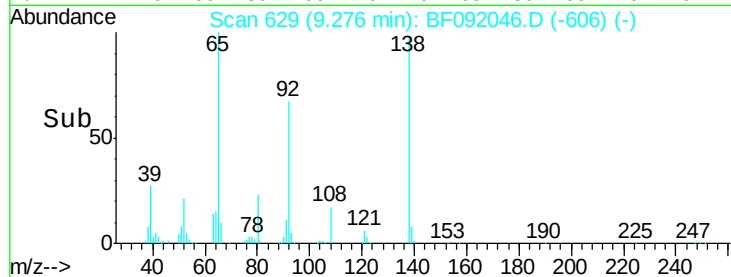
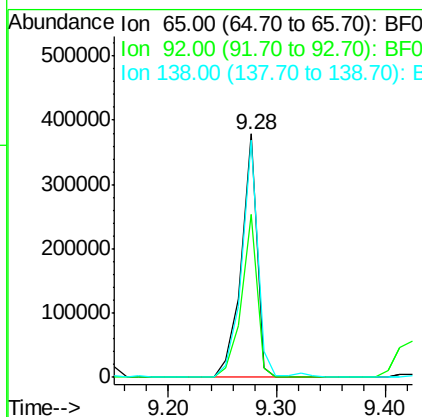
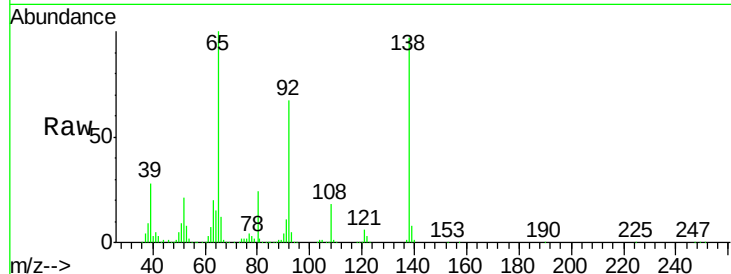
#47
2-Nitroaniline
Concen: 50.66 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	67.0	53.9	80.9
138	97.3	76.8	115.2

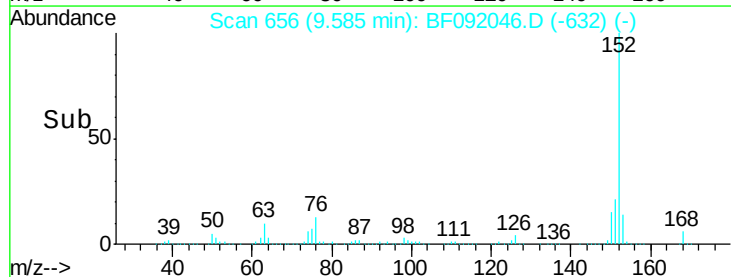
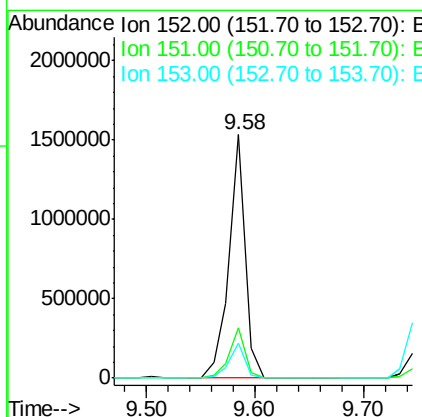
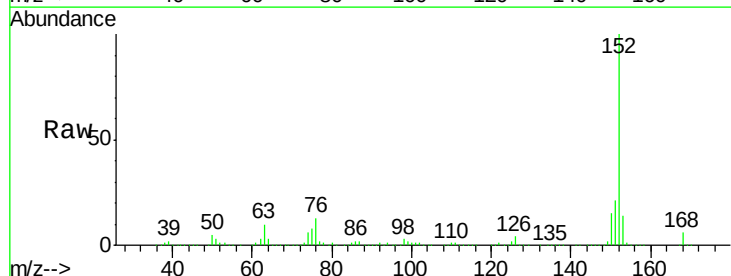
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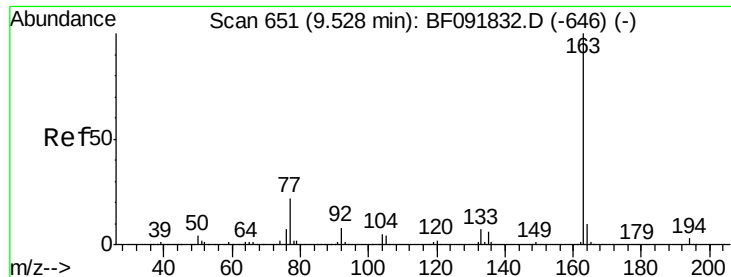
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#48
Acenaphthylene
Concen: 49.24 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.9	25.3
153	14.3	11.4	17.2





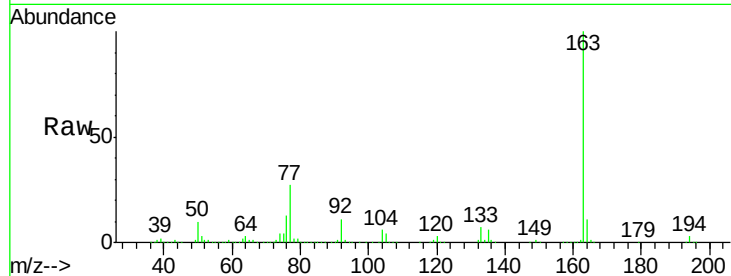
#49
Dimethylphthalate
Concen: 82.91 ng
RT: 9.46 min Scan# 645
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

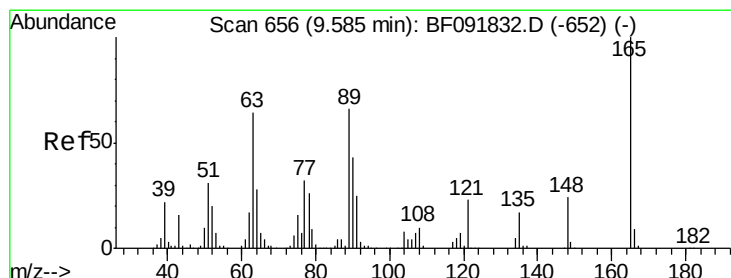
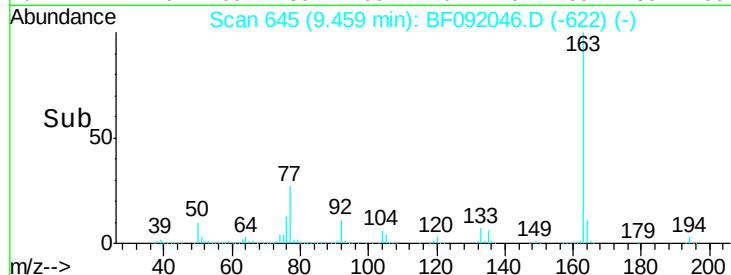
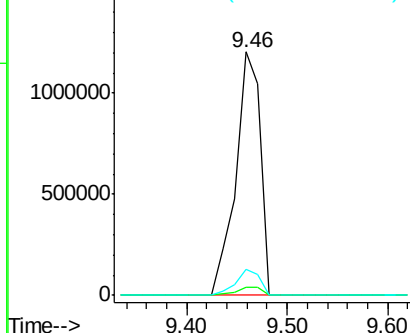
Tot Ion:163 Resp: 2034623
Ion Ratio Lower Upper
163 100
194 3.2 3.0 4.4
164 10.9 8.0 12.0

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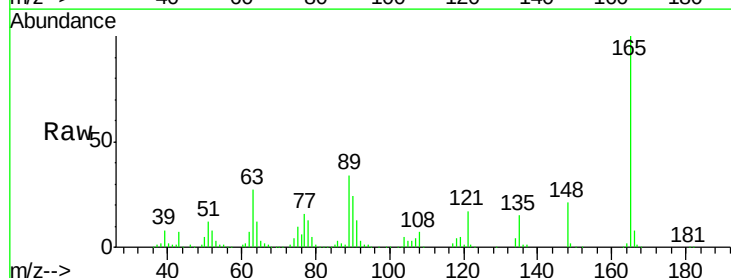


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

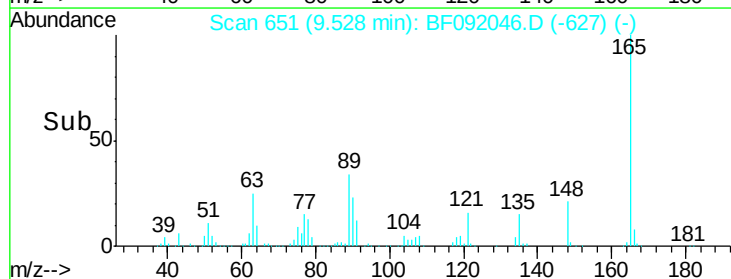
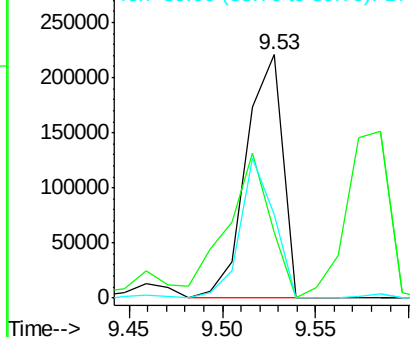


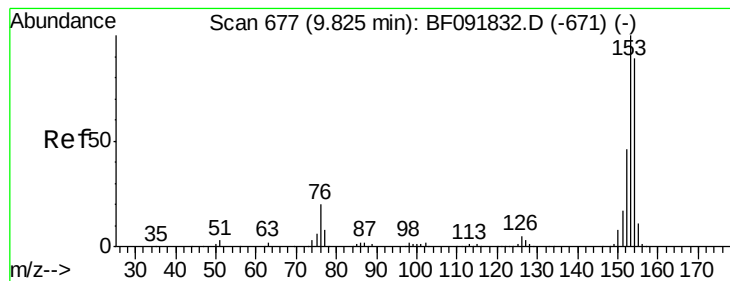
#50
2,6-Dinitrotoluene
Concen: 55.36 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion:165 Resp: 297360
Ion Ratio Lower Upper
165 100
63 26.9 36.2 54.4#
89 34.3 40.2 60.4#



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





#51

Acenaphthene

Concen: 46.76 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampleId :

W-4(55-57)MSD

Tot Ion:154 Resp: 1014308

Ion Ratio Lower Upper

154 100

153 111.3 88.6 133.0

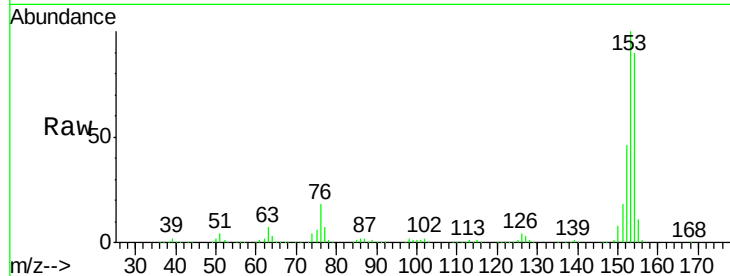
152 51.0 41.6 62.4

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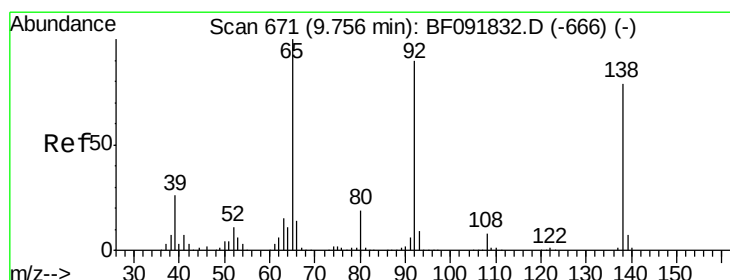
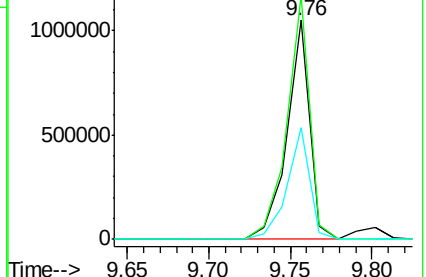
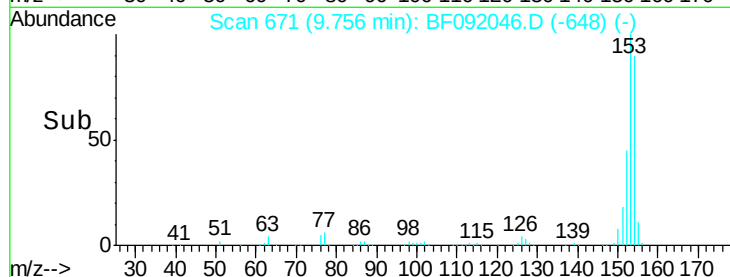
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 28.53 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

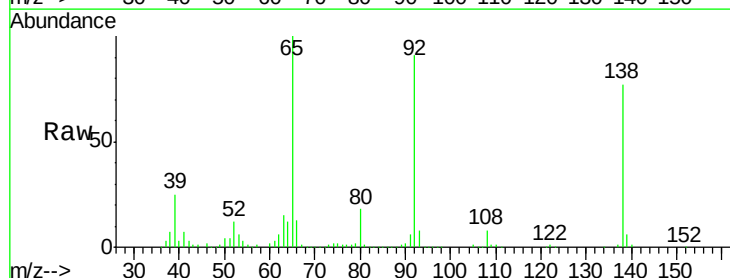
Tgt Ion:138 Resp: 189632

Ion Ratio Lower Upper

138 100

108 10.2 8.5 12.7

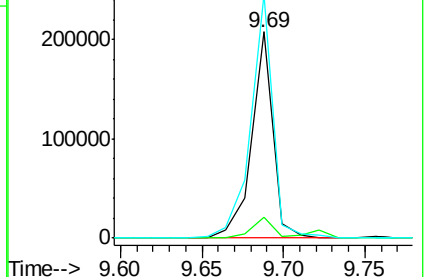
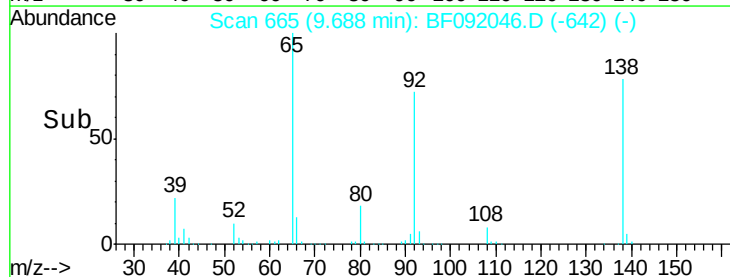
92 118.1 97.8 146.8

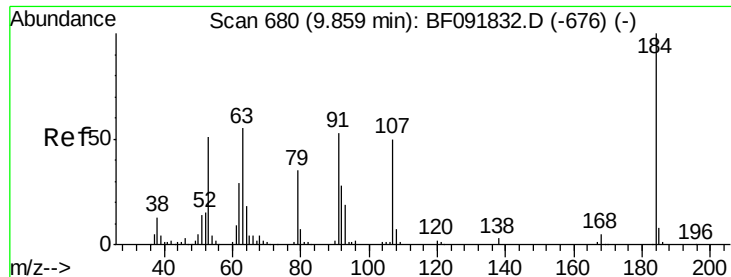


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





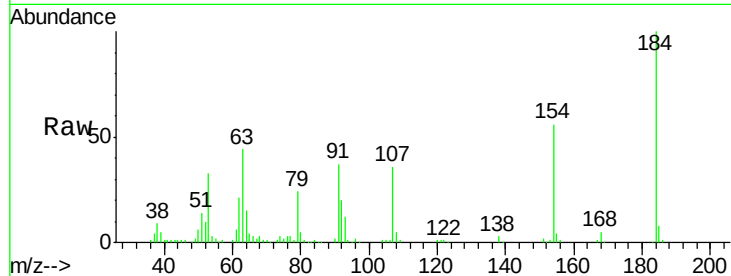
#53
2,4-Dinitrophenol
Concen: 47.28 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

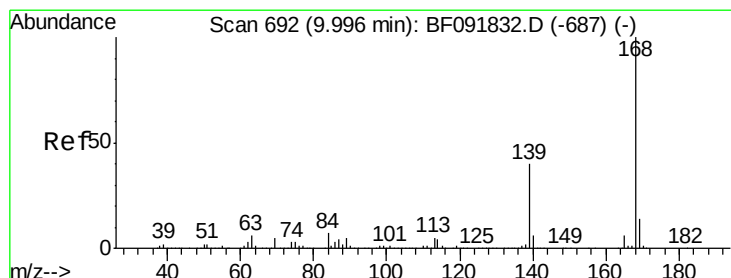
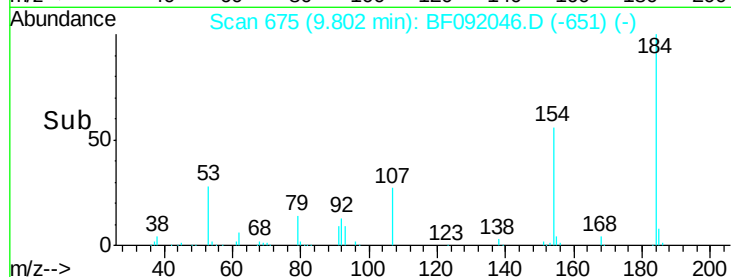
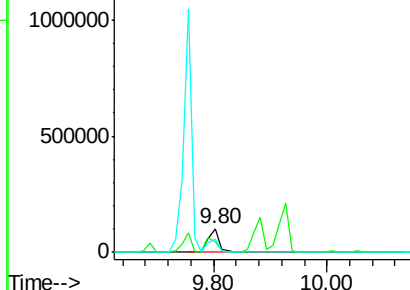
Tot Ion	Ratio	Resp	Lower	Upper
184	100	141314		
63	44.2	28.4	42.6	
154	55.9	44.3	66.5	

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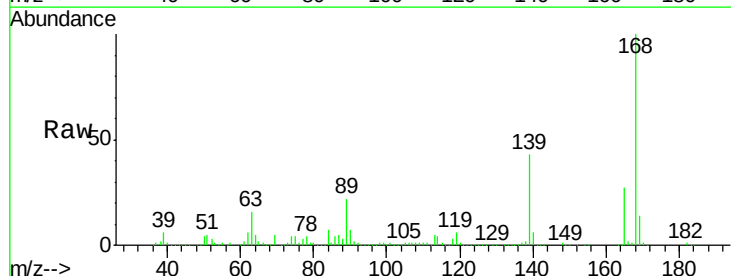


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

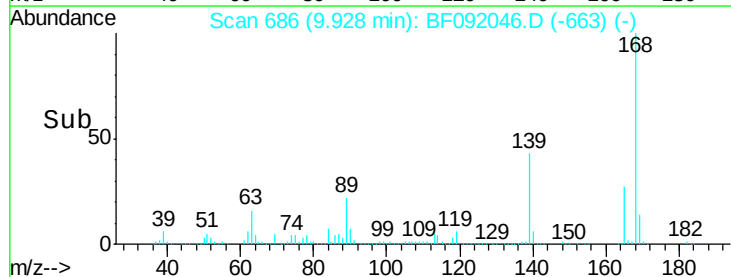
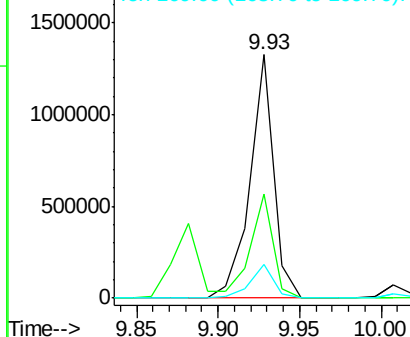


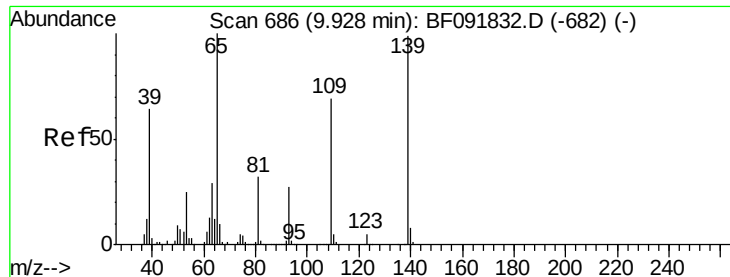
#54
Dibenzofuran
Concen: 45.57 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1335190		
139	42.6	32.6	49.0	
169	13.7	11.3	16.9	



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: 102.40 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

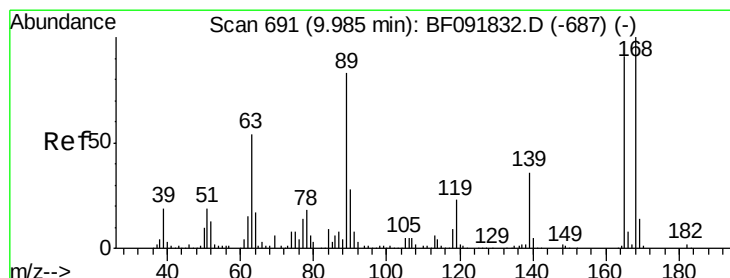
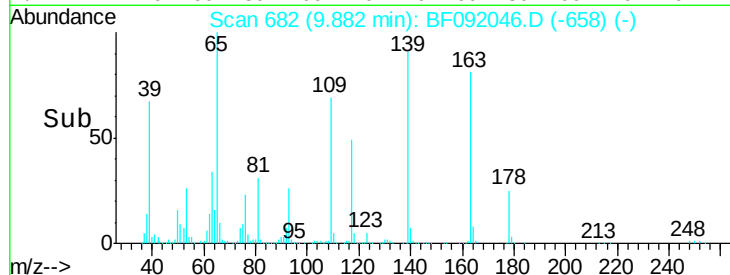
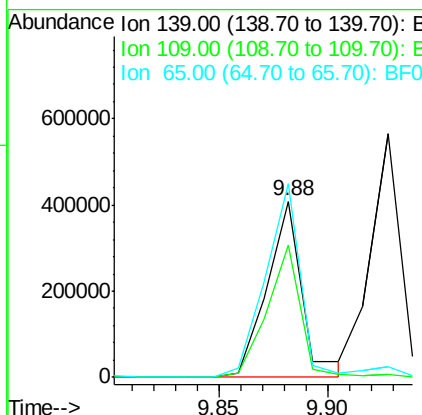
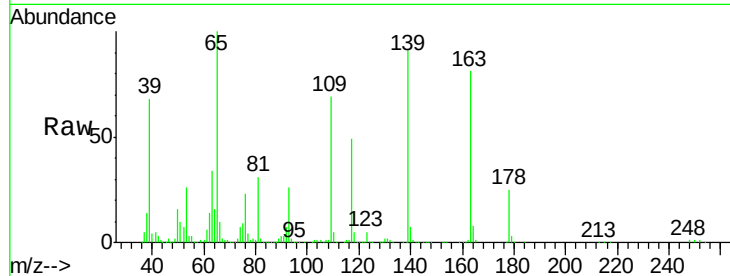
ClientSampleId :

W-4(55-57)MSD

Tot Ion:	139	Resp:	462180
Ion Ratio	Lower	Upper	
139	100		
109	75.4	52.2	92.2
65	109.8	85.8	125.8

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#56

2,4-Dinitrotoluene

Concen: 57.80 ng

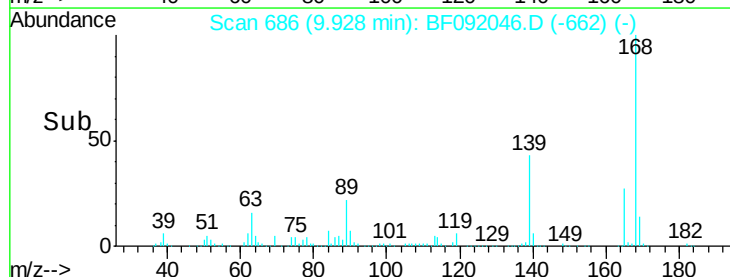
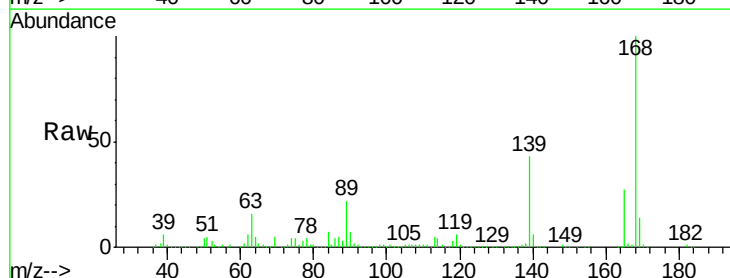
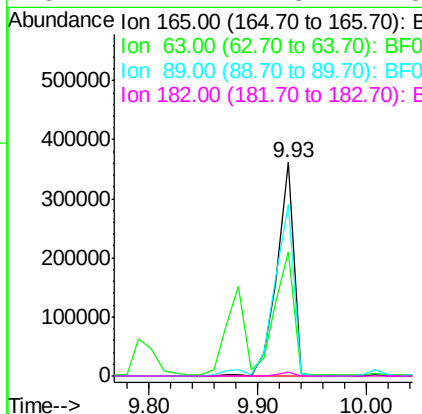
RT: 9.93 min Scan# 686

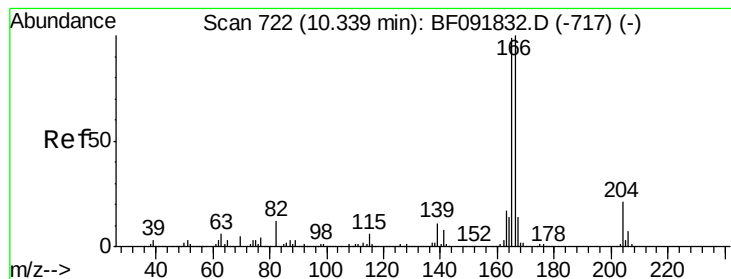
Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Tgt Ion:	165	Resp:	389655
Ion Ratio	Lower	Upper	
165	100		
63	58.4	40.2	60.4
89	80.2	62.5	93.7
182	2.1	1.8	2.8





#57

Fluorene

Concen: 53.22 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampleId :

W-4(55-57)MSD

Tot Ion:166 Resp: 1134373

Ion Ratio Lower Upper

166 100

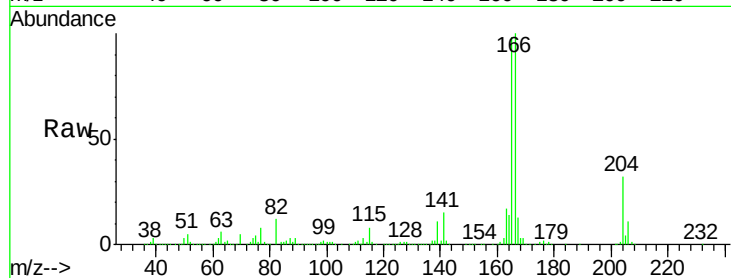
165 98.5 77.8 116.8

167 13.5 10.8 16.2

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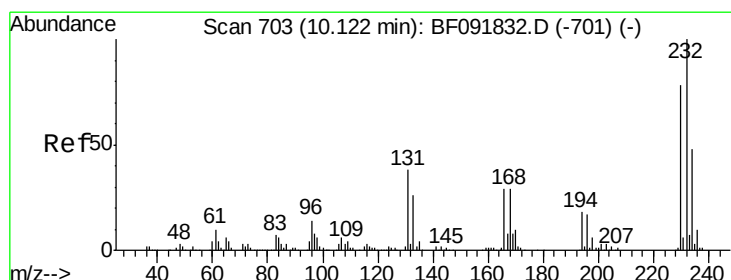
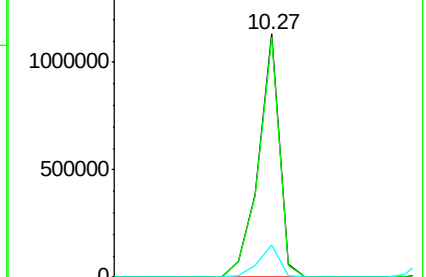
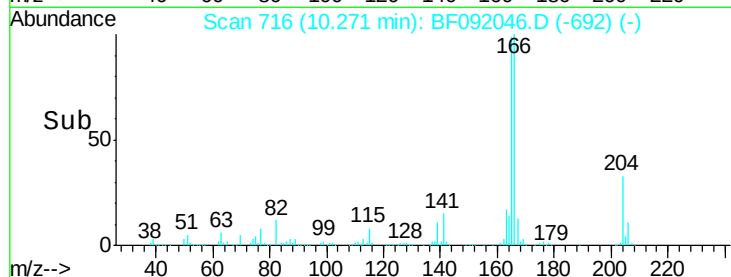
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 54.43 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Tgt Ion:232 Resp: 300382

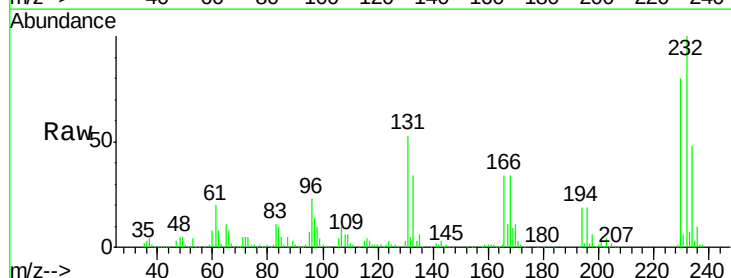
Ion Ratio Lower Upper

232 100

131 51.7 40.1 60.1

130 2.7 1.8 2.8

166 32.6 26.6 39.8

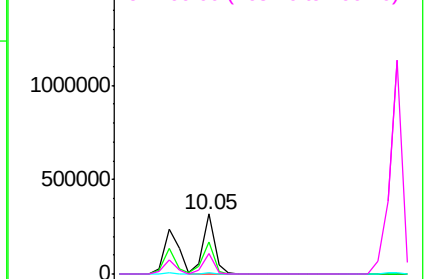
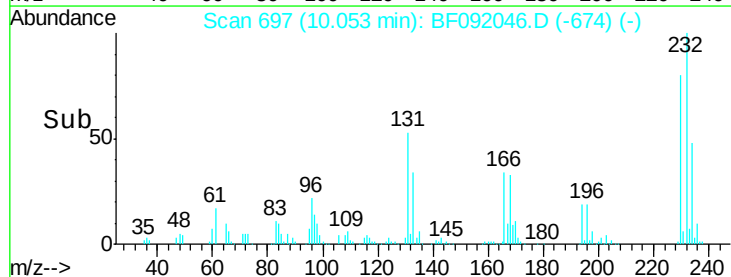


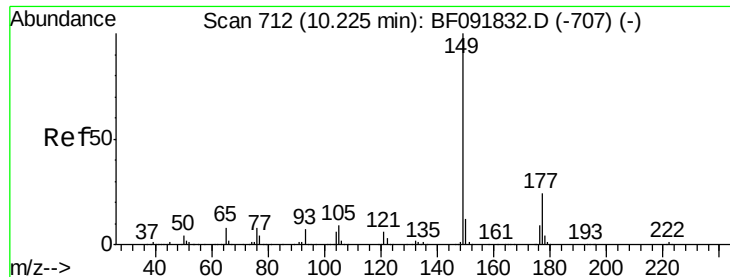
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 50.88 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampled :

W-4(55-57)MSD

Tot Ion:149 Resp: 1212563

Ion Ratio Lower Upper

149 100

177 21.1 16.6 25.0

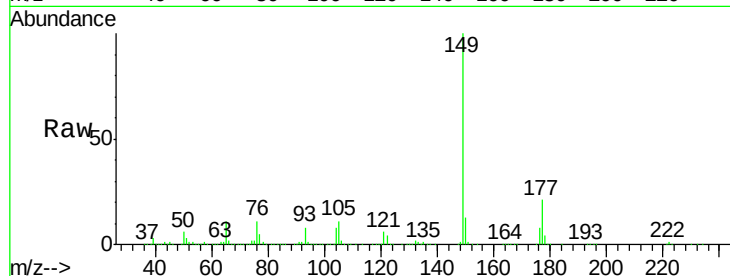
150 12.9 10.4 15.6

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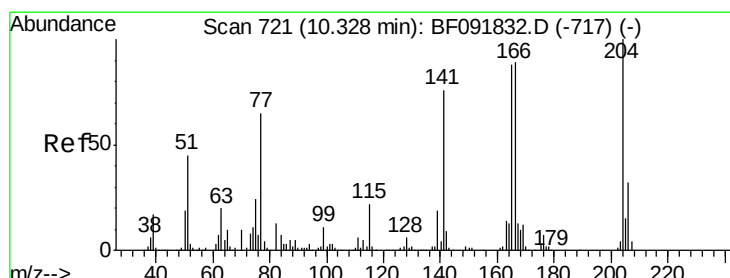
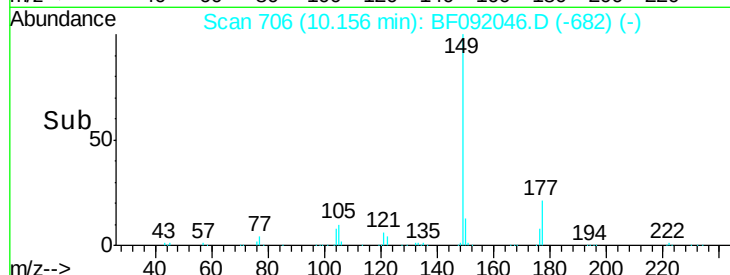
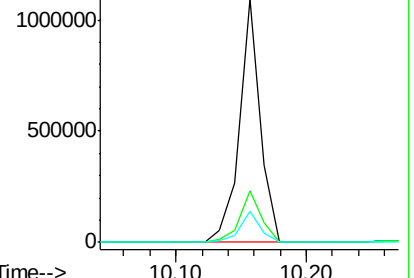
1/3/2017 9:14:18 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 53.68 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

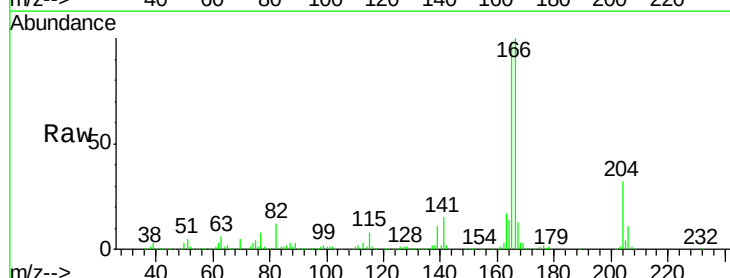
Tgt Ion:204 Resp: 501006

Ion Ratio Lower Upper

204 100

206 33.5 25.8 38.6

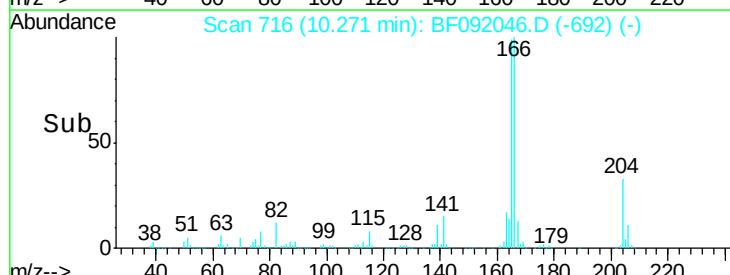
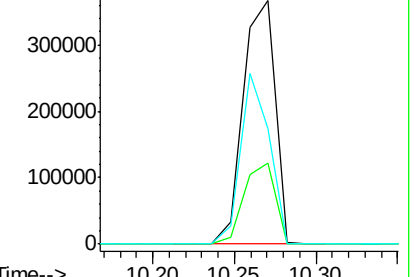
141 47.4 59.4 89.0#

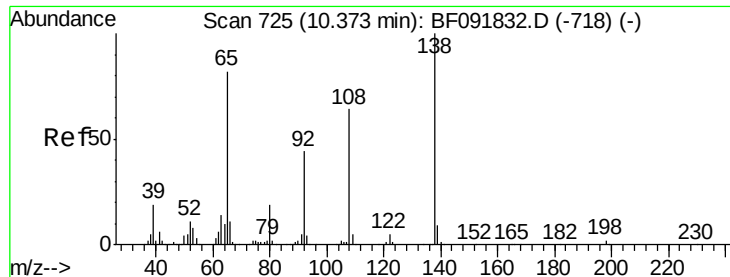


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





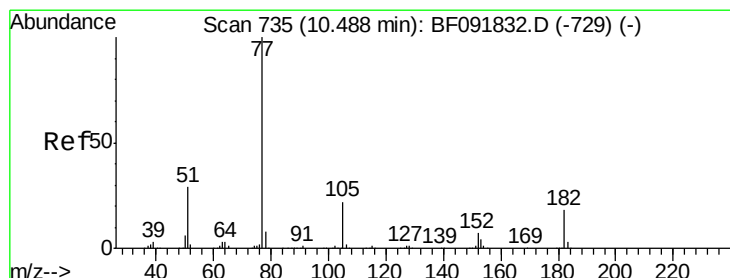
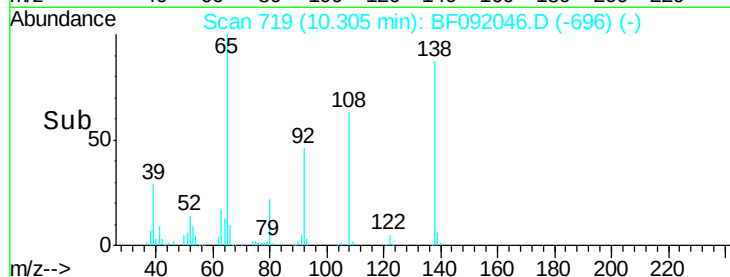
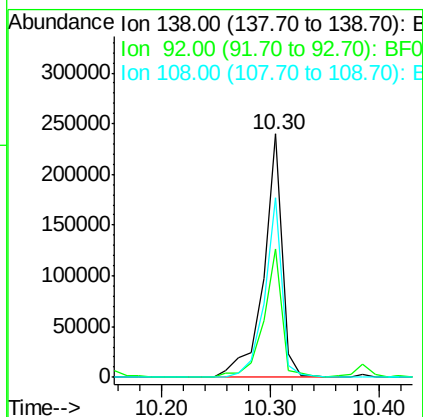
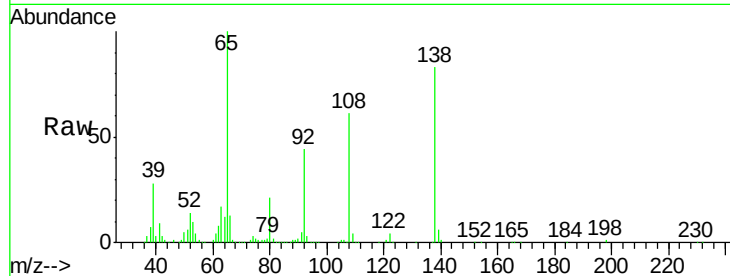
#61
4-Nitroaniline
Concen: 41.53 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	52.9	31.7	71.7
108	73.8	52.6	92.6

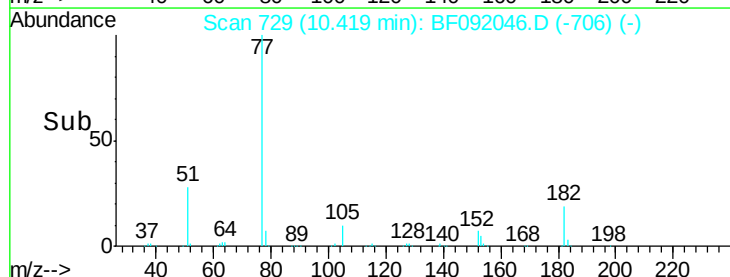
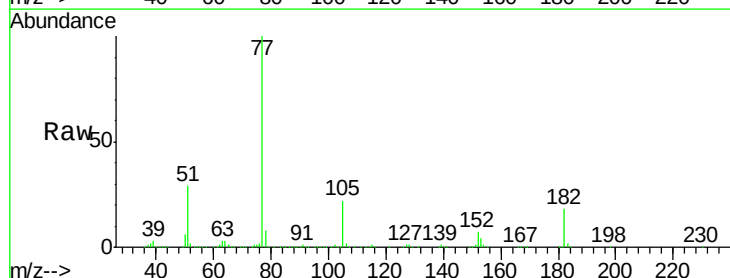
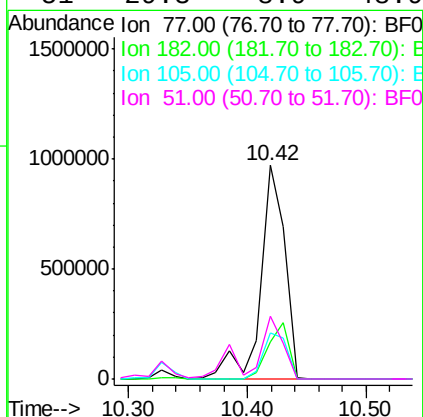
Manual Integrations
APPROVED

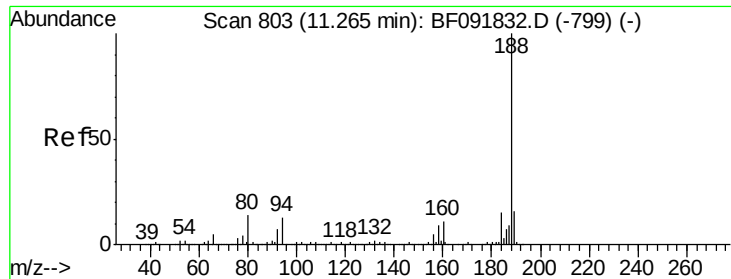
mohammad
1/3/2017 9:14:18 AM



#62
Azobenzene
Concen: 52.99 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
77	100		
182	17.6	0.0	39.3
105	21.7	2.3	42.3
51	29.3	8.9	48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

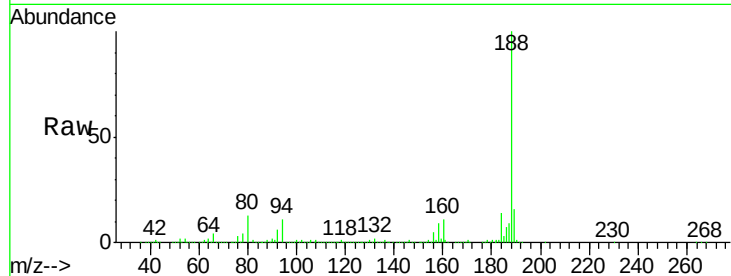
ClientSampleId :

W-4(55-57)MSD

Tot Ion:	188	Resp:	637160
Ion Ratio	Lower	Upper	
188	100		
94	11.3	10.0	15.0
80	12.7	11.2	16.8

Manual Integrations
APPROVED

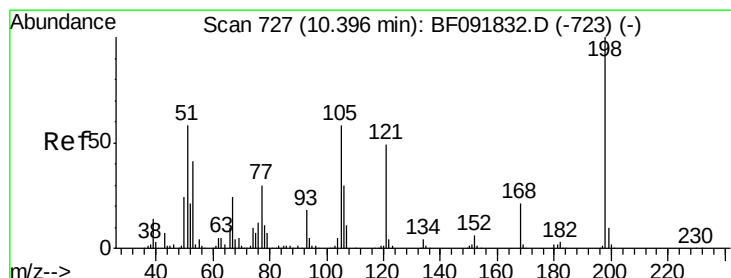
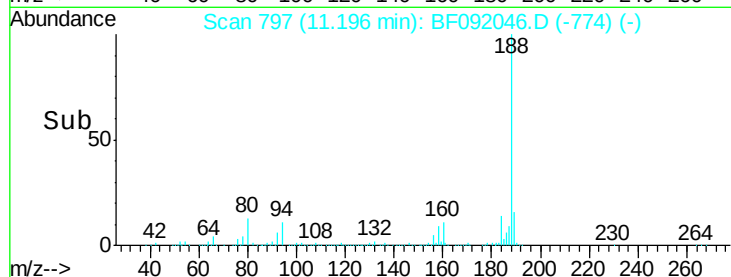
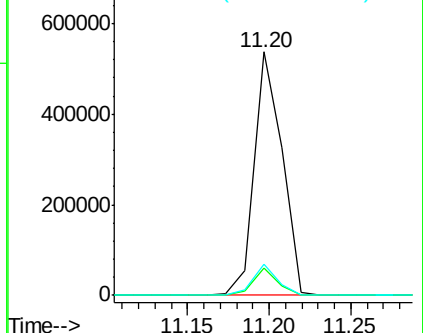
mohammad
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 45.77 ng

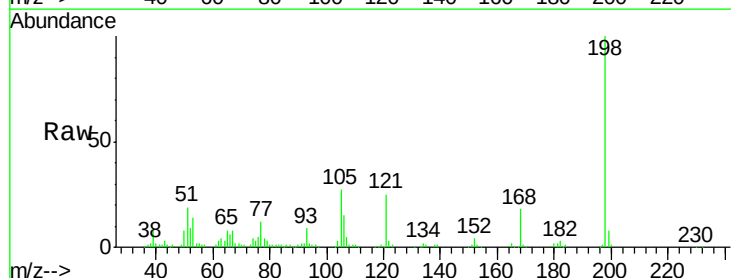
RT: 10.34 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

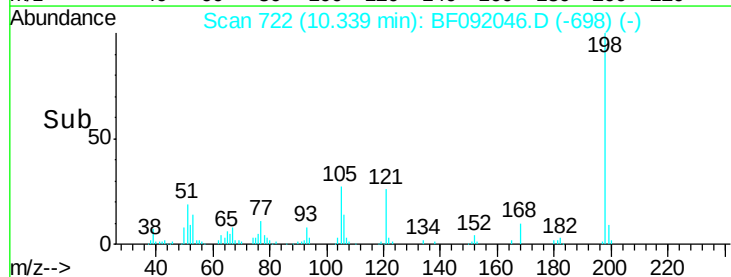
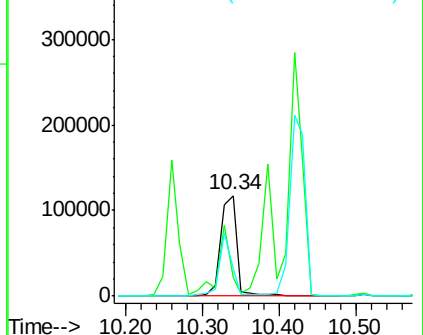
Tgt Ion:	198	Resp:	176333
Ion Ratio	Lower	Upper	
198	100		
51	18.7	6.7	46.7
105	26.6	16.6	56.6

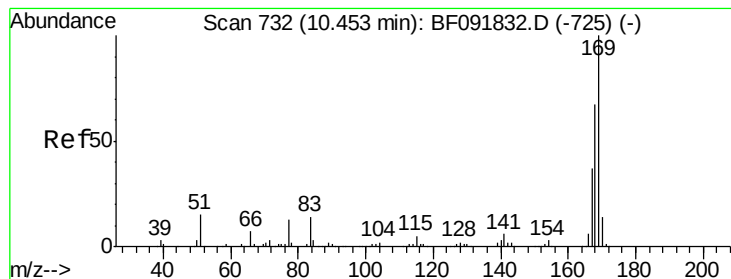


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





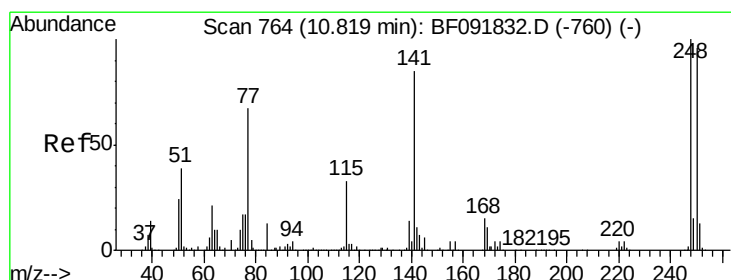
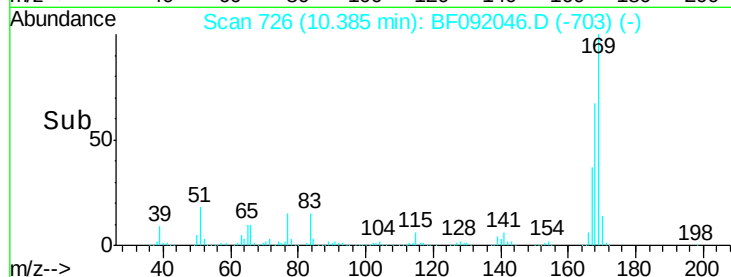
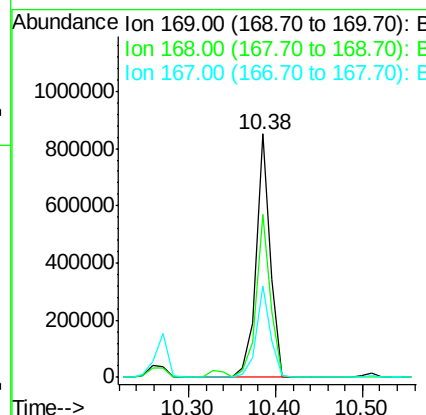
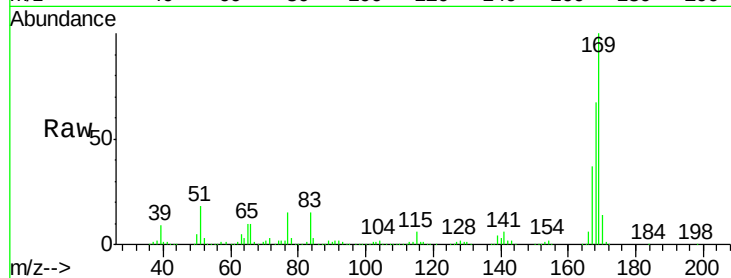
#65
n-Nitrosodiphenylamine
Concen: 51.63 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	67.2	54.2	81.2
167	37.4	30.2	45.4

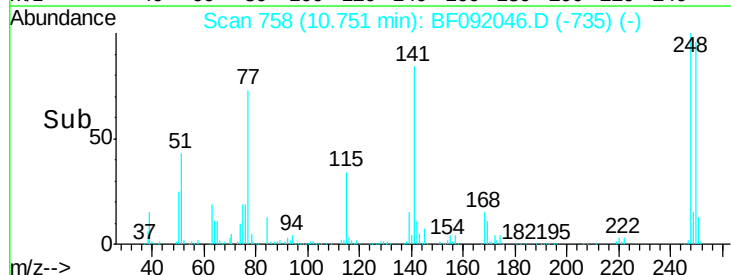
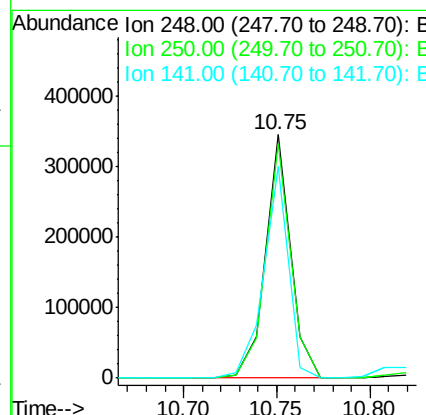
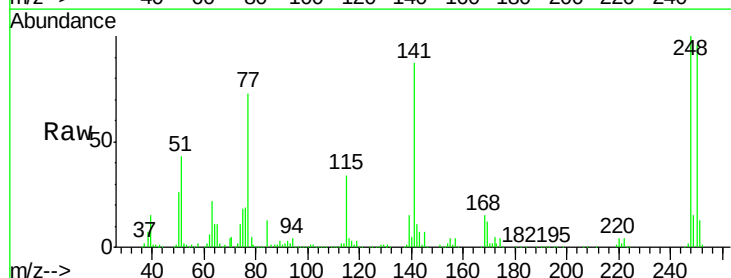
Manual Integrations
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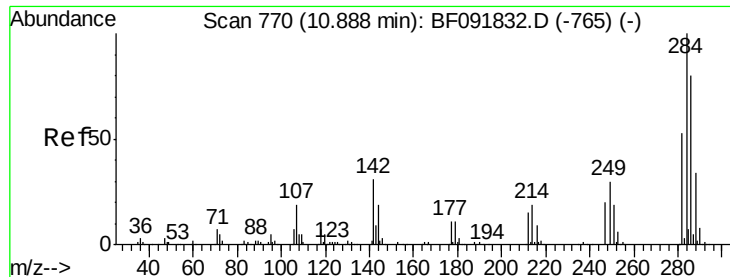
mohammad
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#66
4-Bromophenyl-phenylether
Concen: 48.55 ng
RT: 10.75 min Scan# 758
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.2	76.9	115.3
141	86.7	68.2	102.4





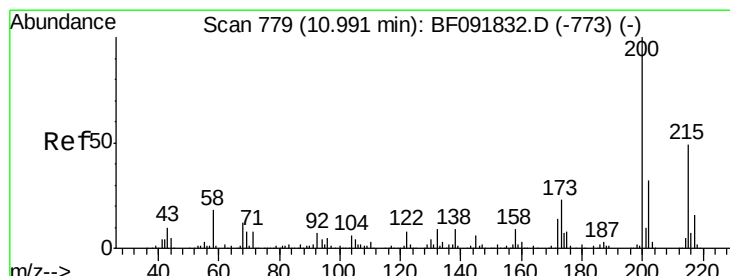
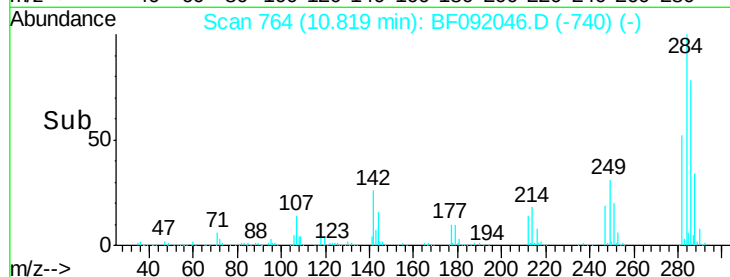
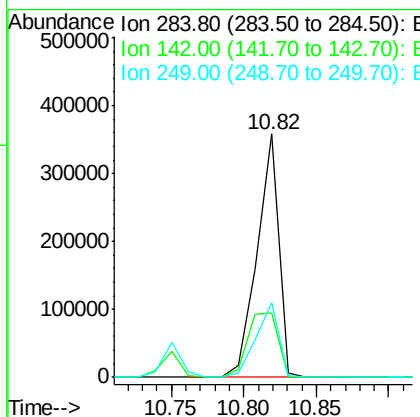
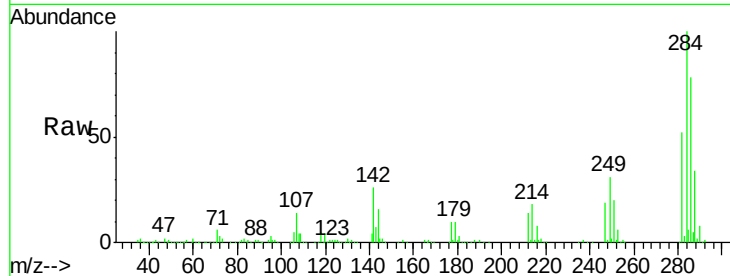
#67
Hexachlorobenzene
Concen: 52.44 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	371495		
142	26.2	22.6	33.8	
249	30.6	25.4	38.0	

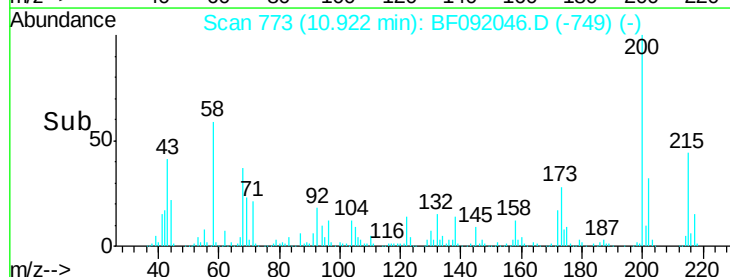
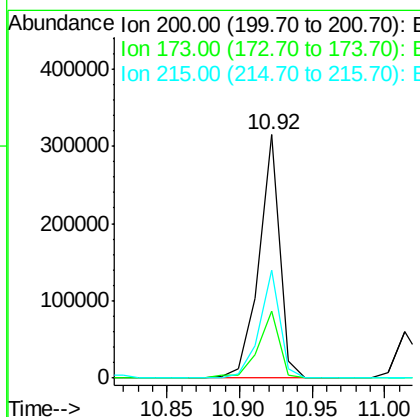
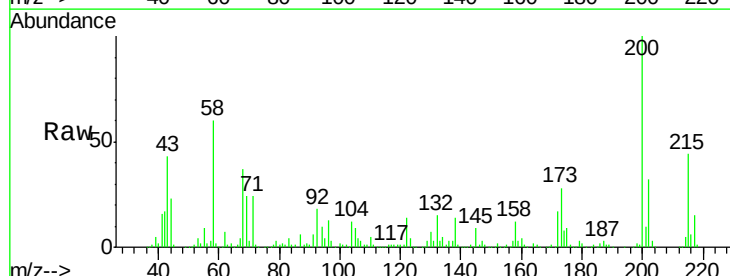
Manual Integrations
APPROVED

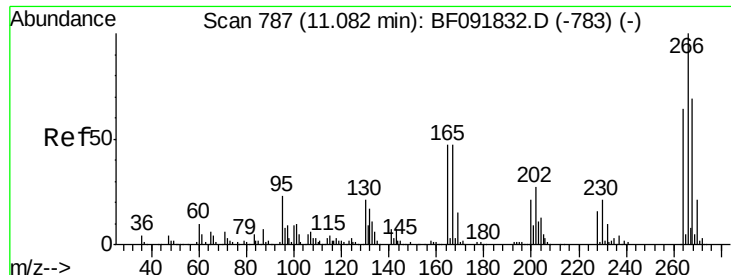
mohammad
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#68
Atrazine
Concen: 51.13 ng
RT: 10.92 min Scan# 773
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	311830		
173	27.5	9.6	49.6	
215	44.2	25.7	65.7	





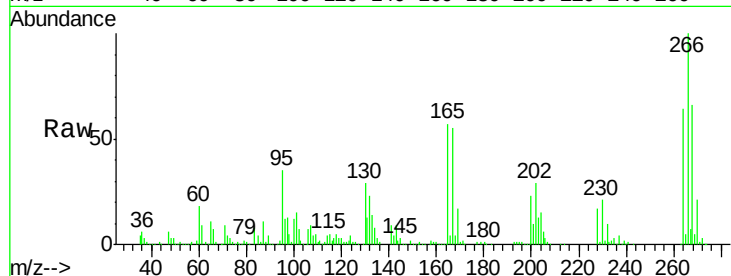
#69
 Pentachlorophenol
 Concen: 101.92 ng
 RT: 11.01 min Scan# 781
 Delta R.T. -0.03 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

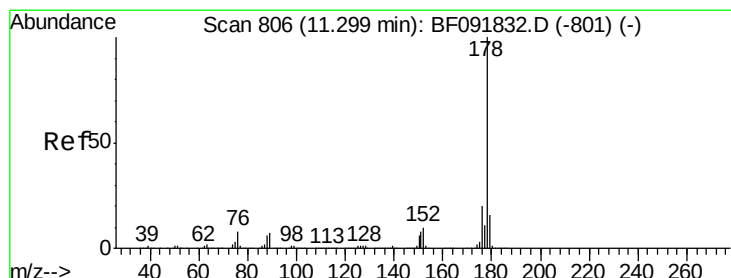
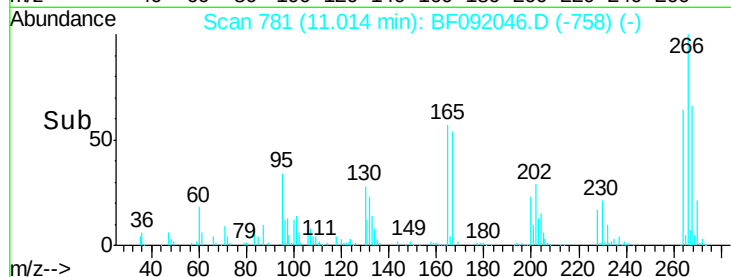
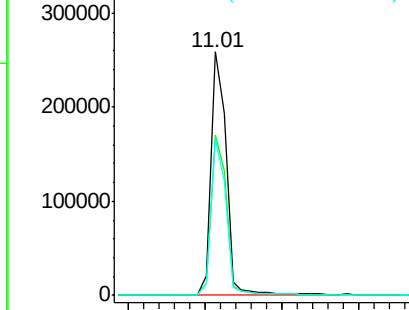
Tot Ion	Ratio	Lower	Upper
266	100		
268	66.0	53.3	79.9
264	64.3	50.3	75.5

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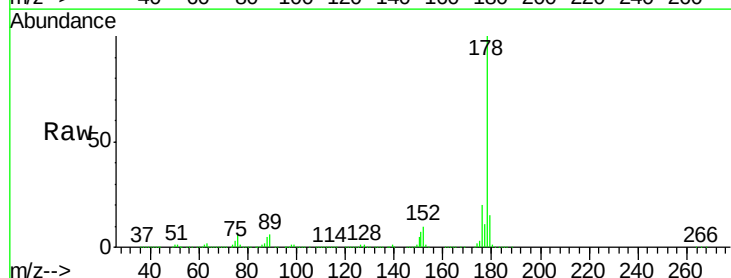


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

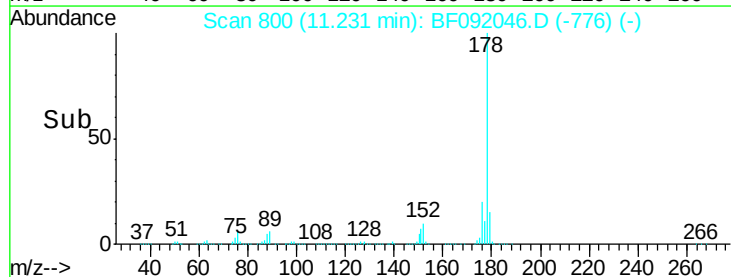
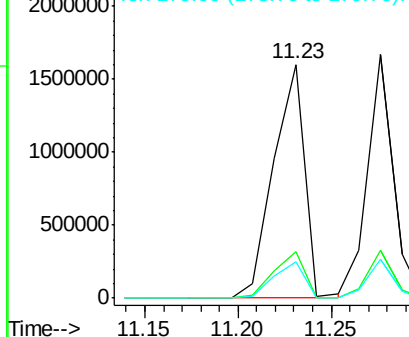


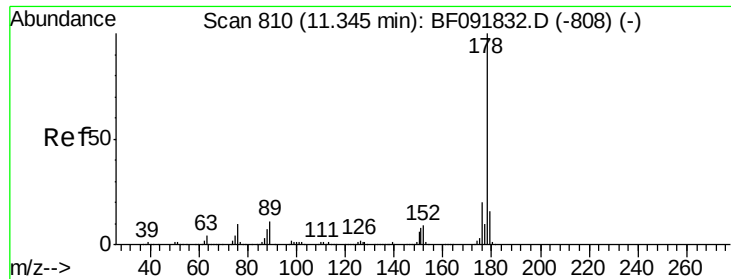
#70
 Phenanthrene
 Concen: 53.82 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.02 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	25.0
179	15.4	12.8	19.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





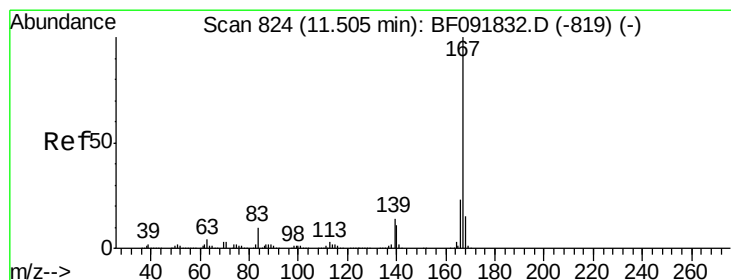
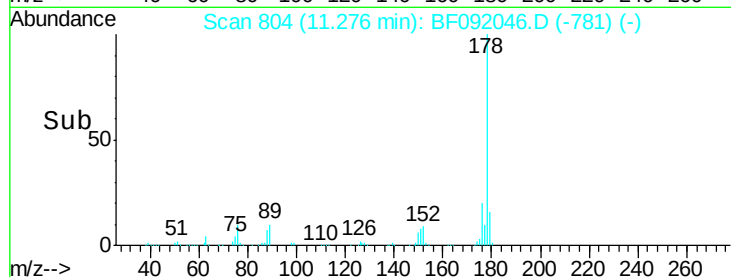
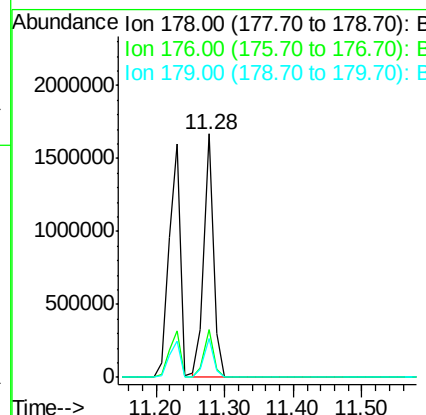
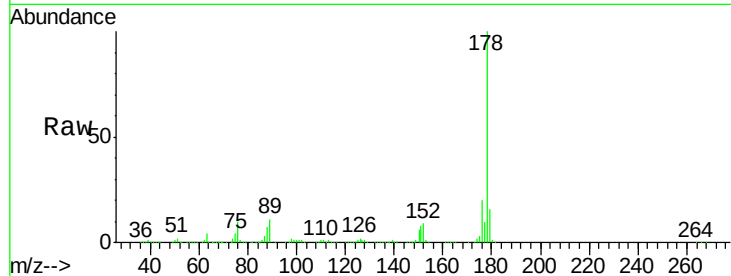
#71
 Anthracene
 Concen: 57.23 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Tot Ion:178 Resp: 1591139
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.9 23.9
 179 16.0 13.2 19.8

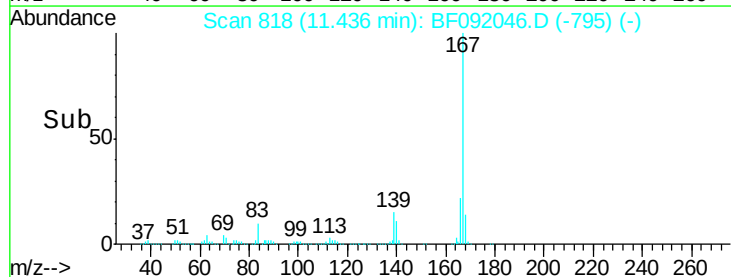
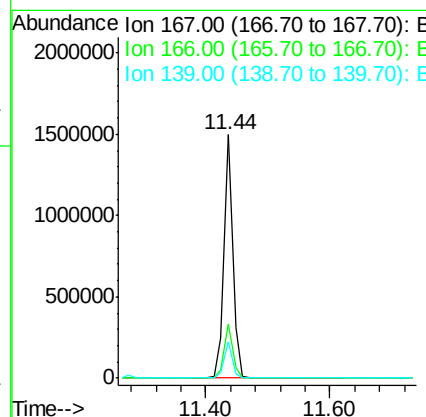
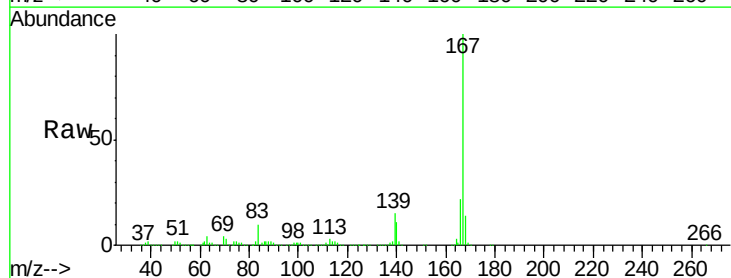
Manual Integrations
 APPROVED

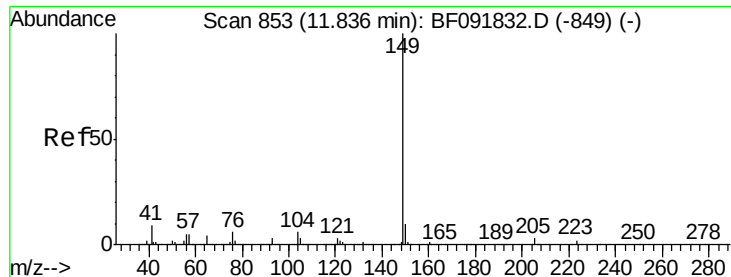
mohammad
 1/3/2017 9:14:18 AM



#72
 Carbazole
 Concen: 57.15 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.03 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Tgt Ion:167 Resp: 1430016
 Ion Ratio Lower Upper
 167 100
 166 22.0 18.2 27.2
 139 14.7 11.4 17.2





#73

Di-n-butylphthalate

Concen: 63.94 ng

RT: 11.78 min Scan# 848

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

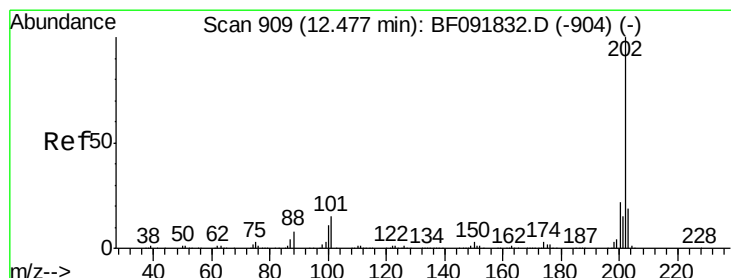
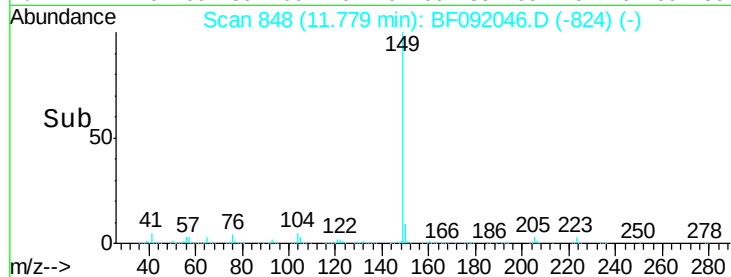
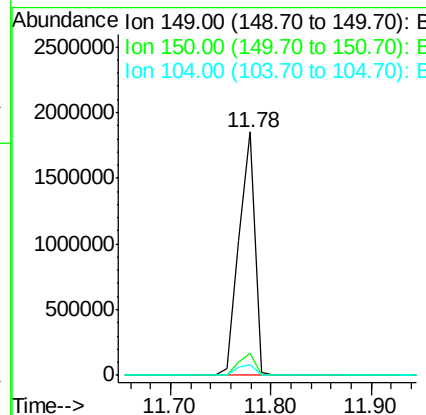
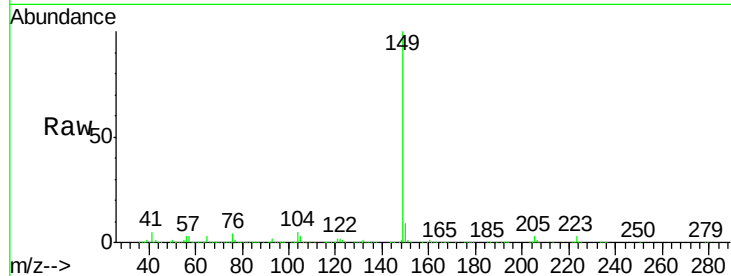
ClientSampleId :

W-4(55-57)MSD

Tot Ion:	149	Resp:	2036700
Ion Ratio	Lower	Upper	
149	100		
150	9.3	8.1	12.1
104	4.6	4.6	7.0

Manual Integrations
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#74

Fluoranthene

Concen: 56.20 ng

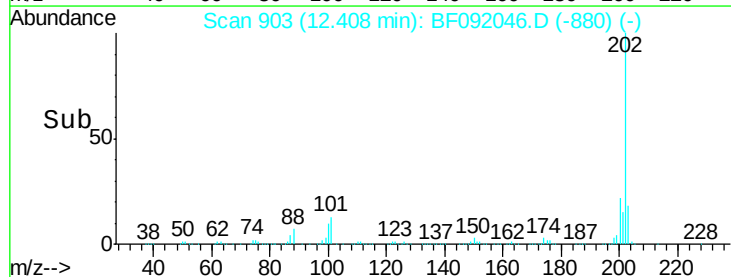
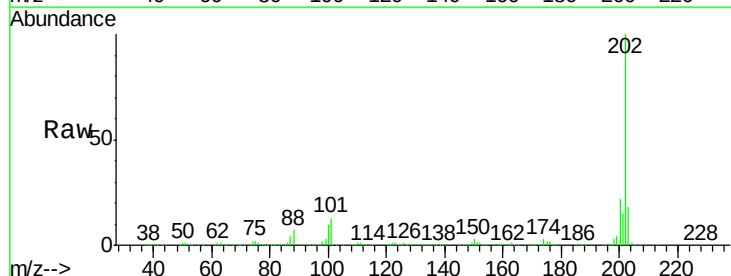
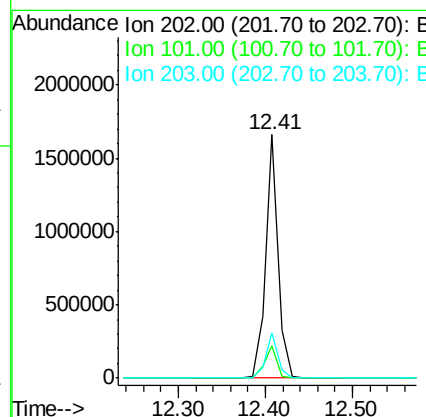
RT: 12.41 min Scan# 903

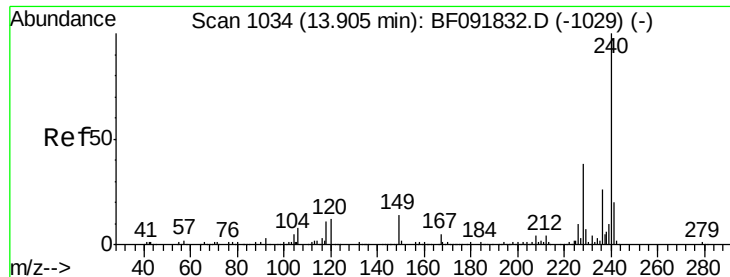
Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Tgt Ion:	202	Resp:	1674696
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	34.6
203	18.4	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

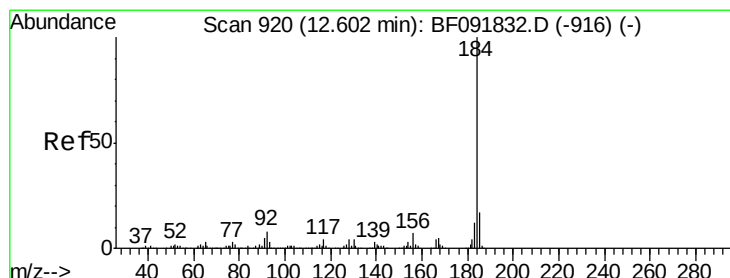
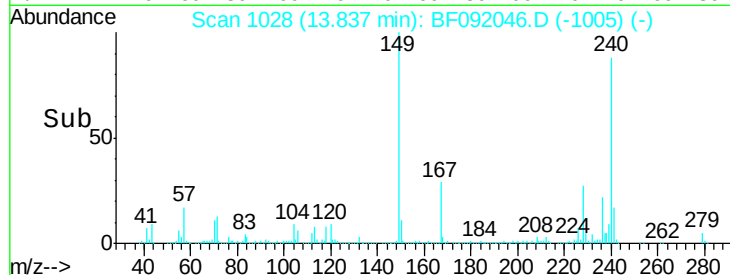
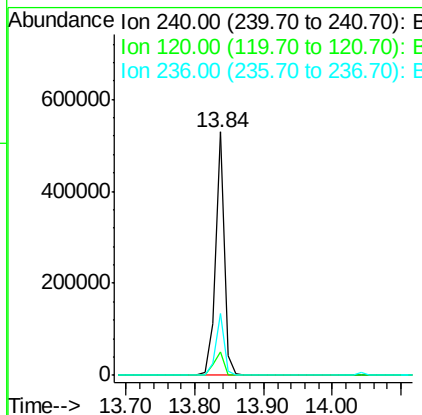
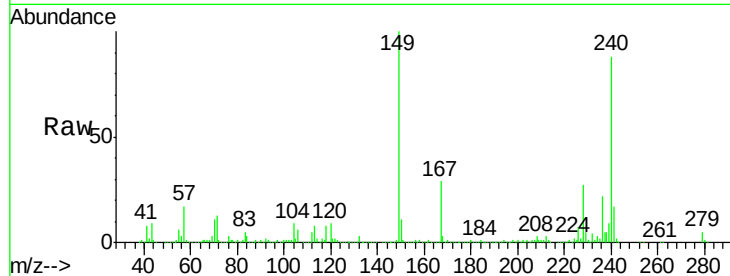
ClientSampleId :

W-4(55-57)MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	12.9	19.3#
236	25.3	20.9	31.3

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#76

Benzidine

Concen: 26.14 ng

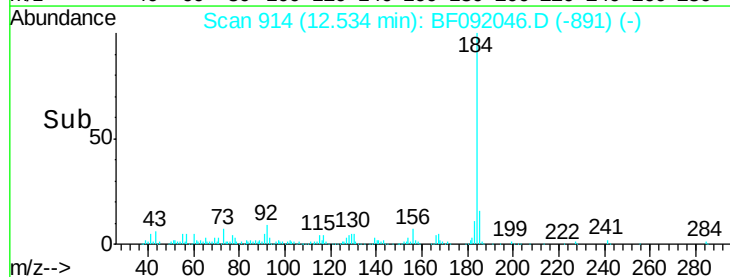
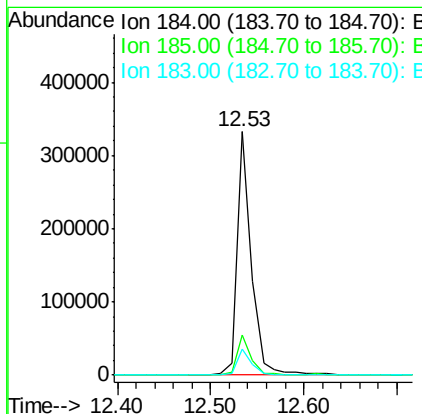
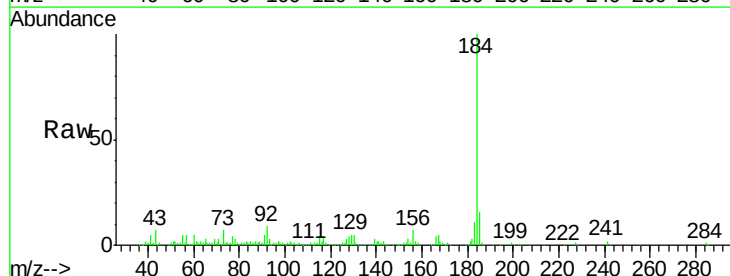
RT: 12.53 min Scan# 914

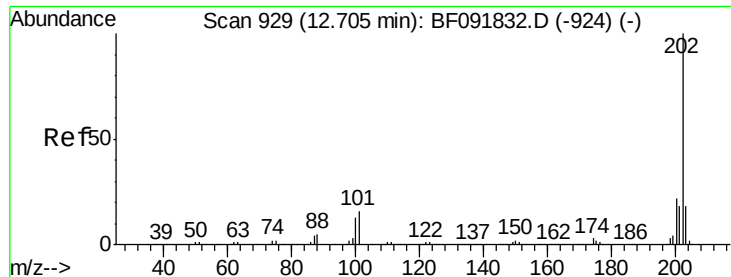
Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.4	13.4	20.0
183	10.8	9.2	13.8





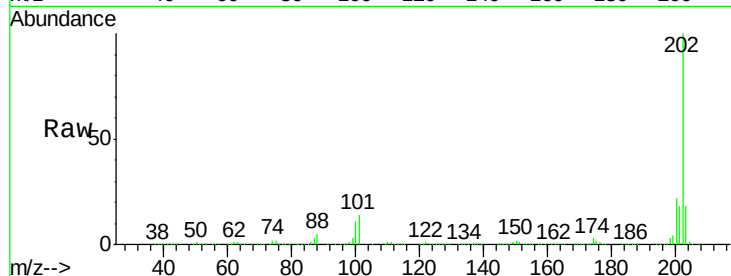
#77
Pvrene
Concen: 50.34 ng
RT: 12.64 min Scan# 923
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

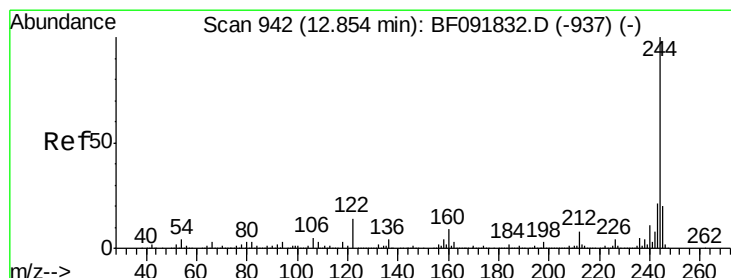
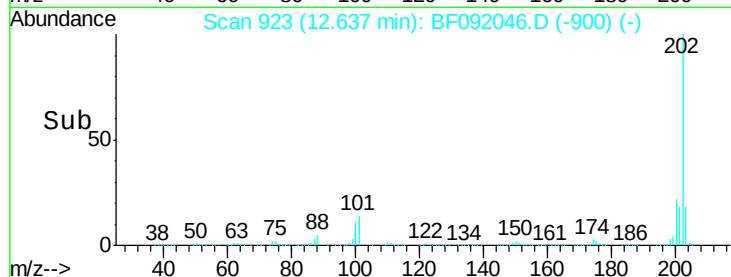
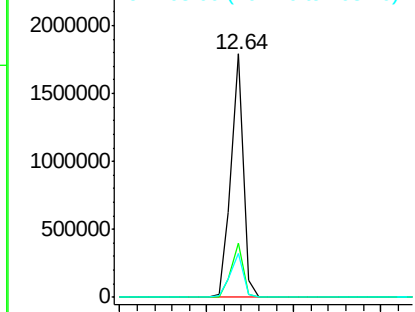
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.7	26.5
203	18.3	14.7	22.1

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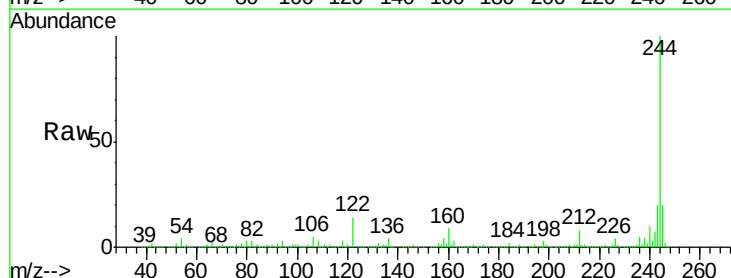


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

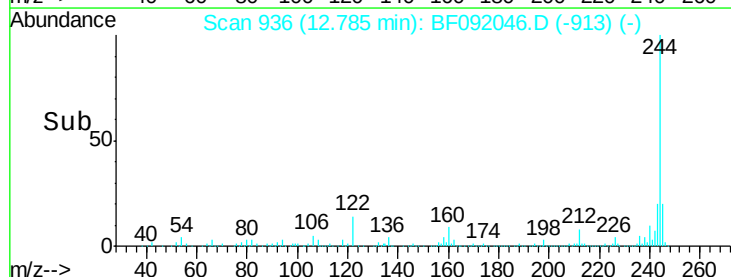
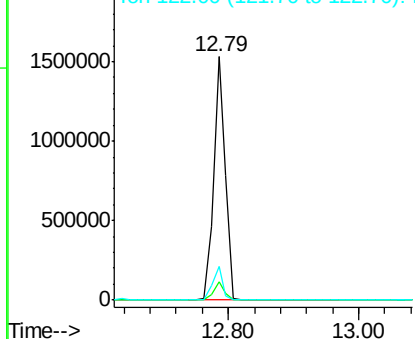


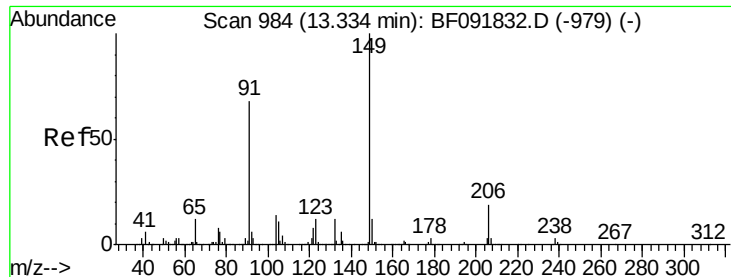
#78
Terphenyl-d14
Concen: 97.93 ng
RT: 12.79 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	13.9	11.4	17.2



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





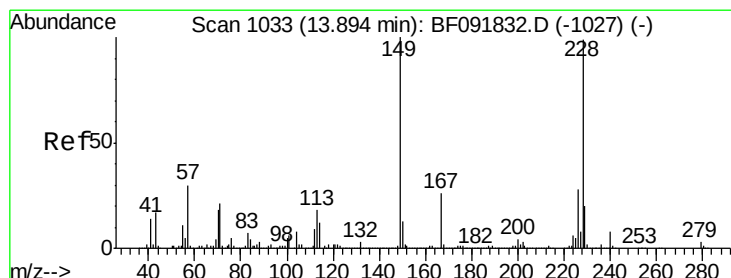
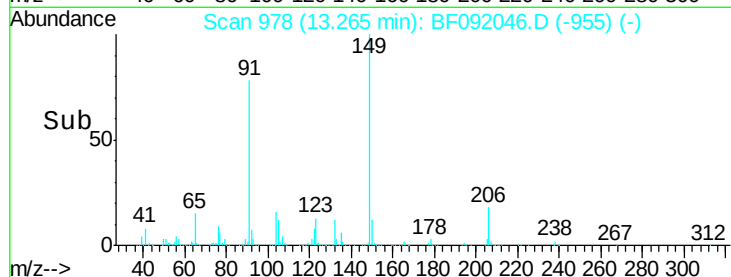
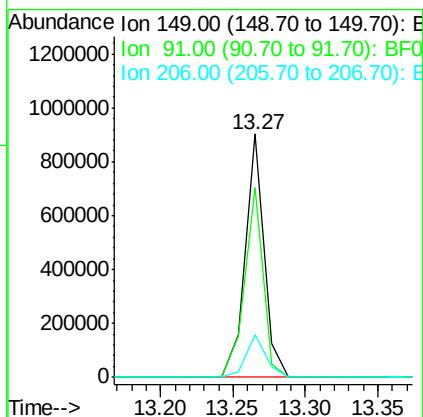
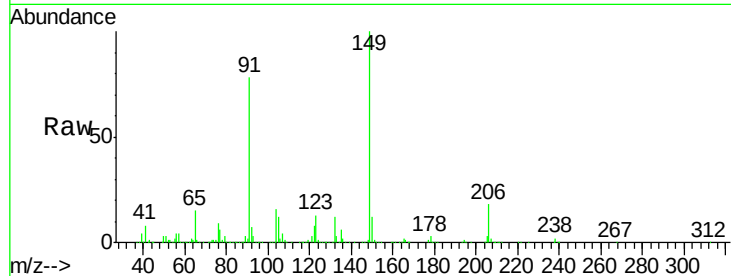
#79
Butylbenzylphthalate
Concen: 51.03 ng
RT: 13.27 min Scan# 978
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	77.9	63.9	95.9
206	17.7	14.6	21.8

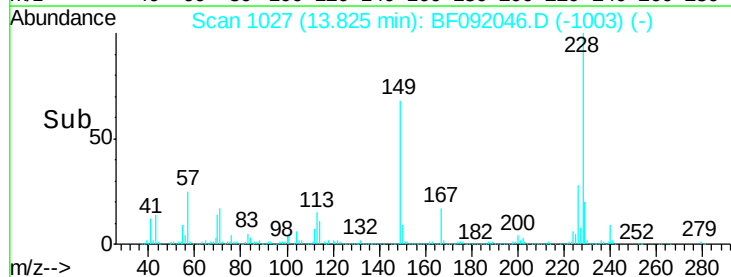
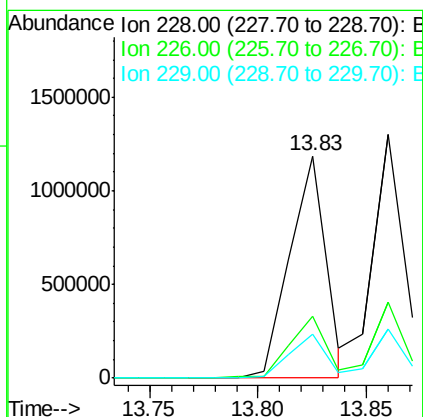
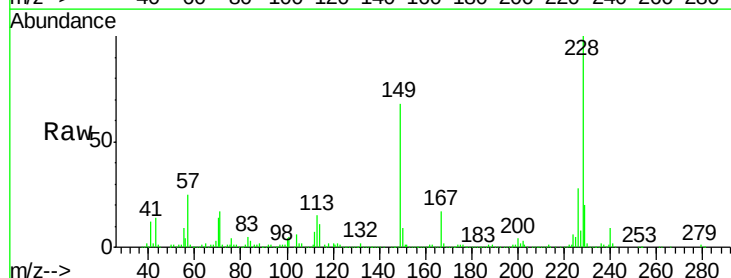
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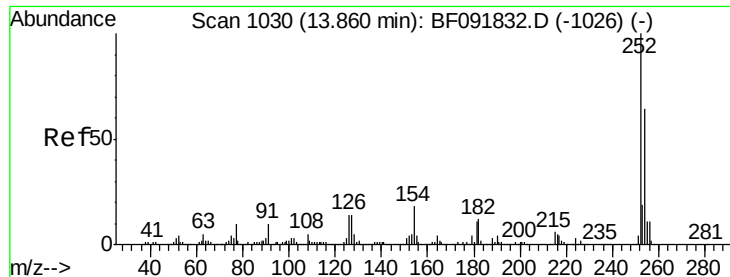
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#80
Benzo(a)anthracene
Concen: 51.02 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.4	33.6
229	20.0	16.2	24.4





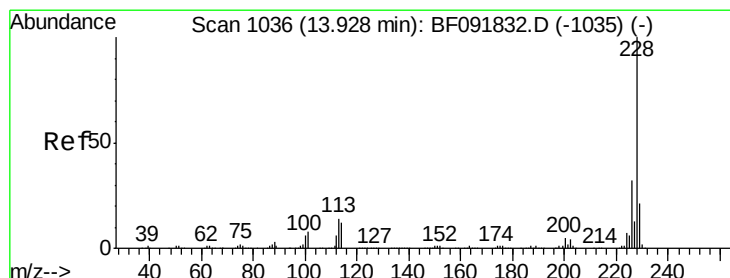
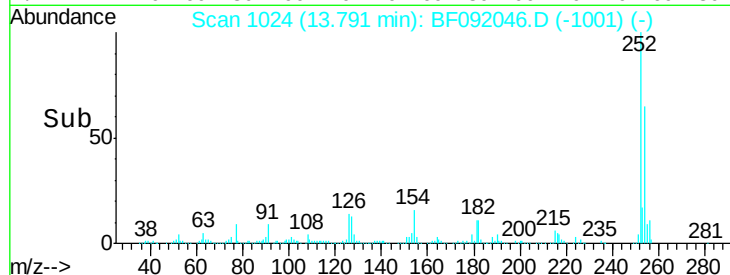
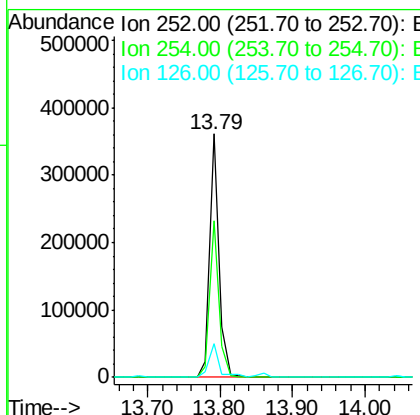
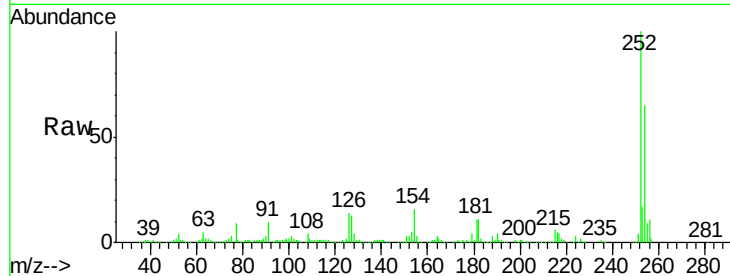
#81
 3,3'-Dichlorobenzidine
 Concen: 31.47 ng
 RT: 13.79 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.5	52.3	78.5
126	13.9	13.6	20.4

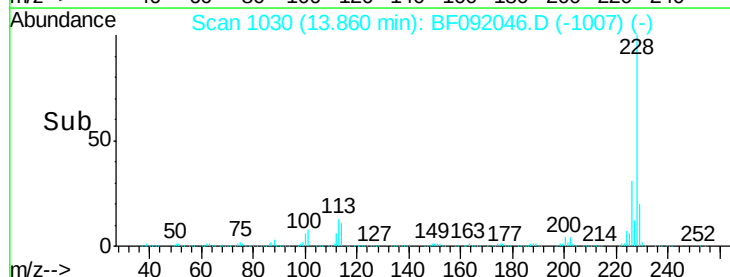
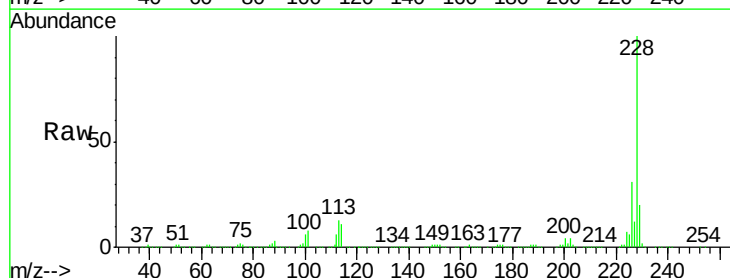
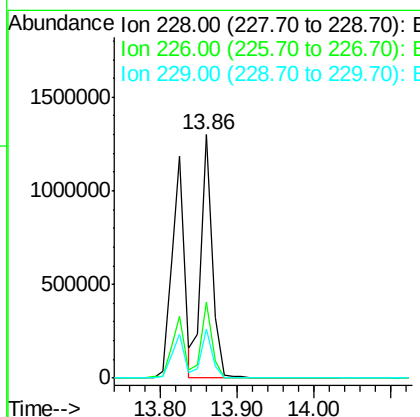
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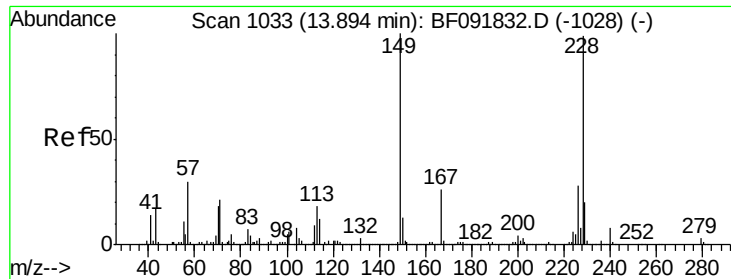
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#82
 Chrysene
 Concen: 48.06 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	20.2	16.2	24.2





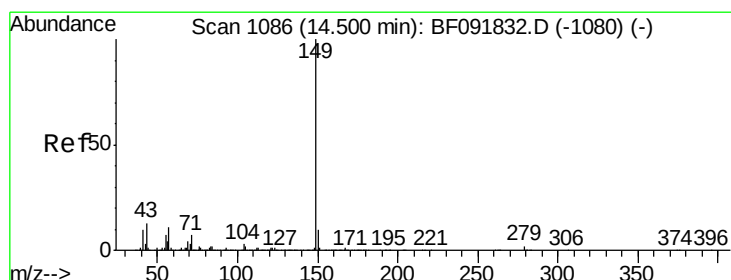
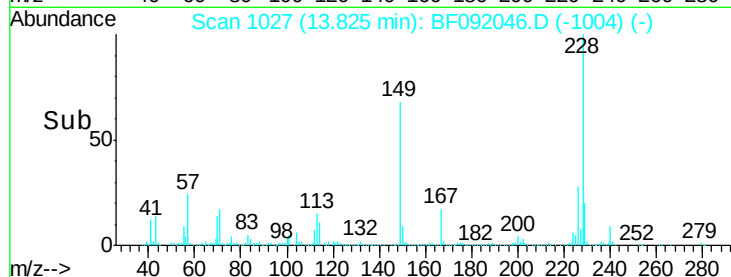
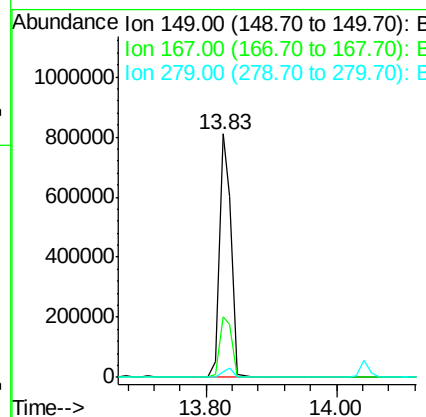
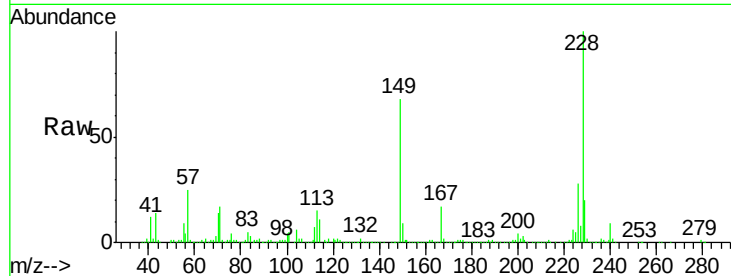
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 54.29 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. -0.03 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Tot Ion:149 Resp: 1023169
 Ion Ratio Lower Upper
 149 100
 167 24.9 20.2 30.4
 279 2.1 1.8 2.8

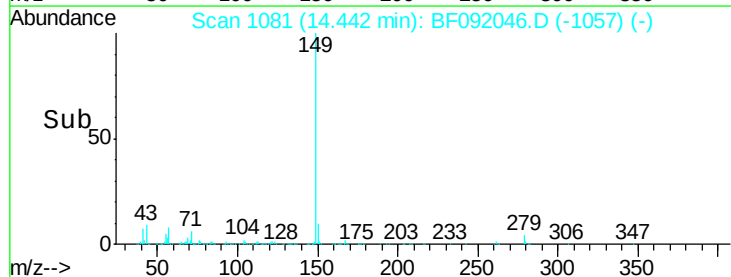
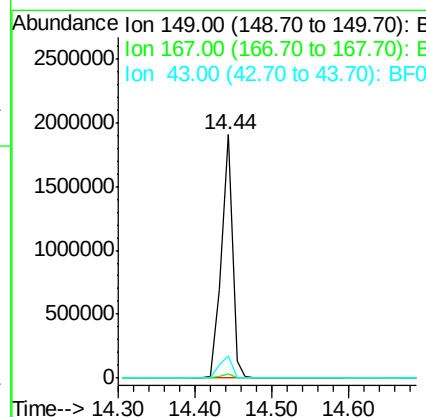
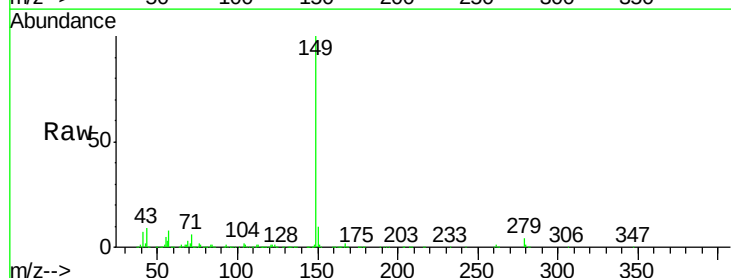
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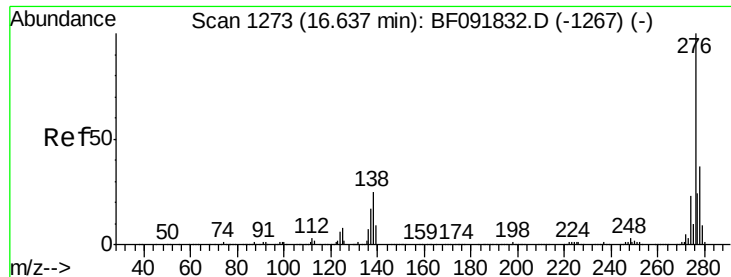
mohammad
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#84
 Di-n-octyl phthalate
 Concen: 54.39 ng
 RT: 14.44 min Scan# 1081
 Delta R.T. -0.02 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Tgt Ion:149 Resp: 1898929
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 10.5 8.9 13.3





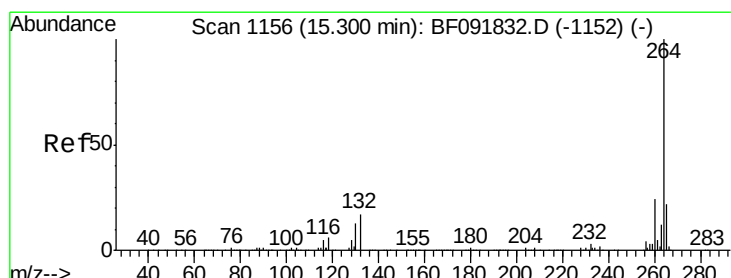
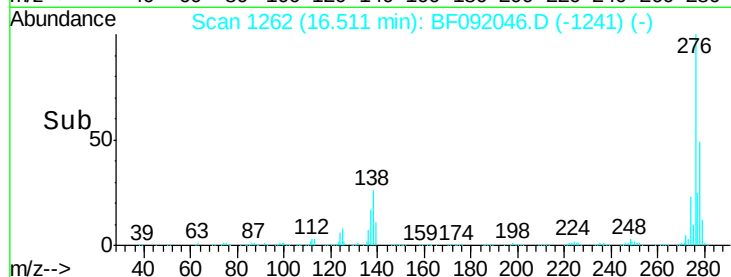
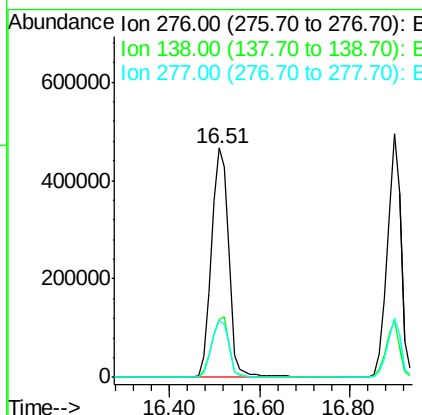
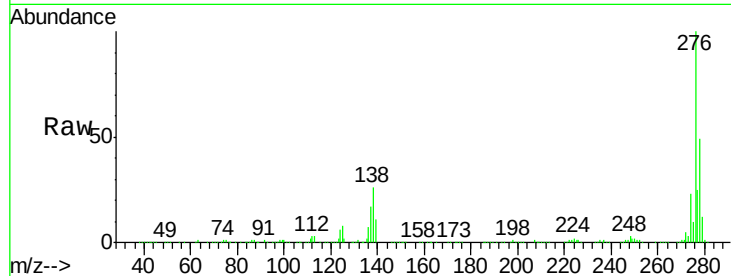
#85
Indeno(1,2,3-cd)pyrene
Concen: 53.29 ng
RT: 16.51 min Scan# 1262
Delta R.T. -0.06 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion: 276 Resp: 1253622
Ion Ratio Lower Upper
276 100
138 26.3 21.8 32.6
277 25.0 20.2 30.4

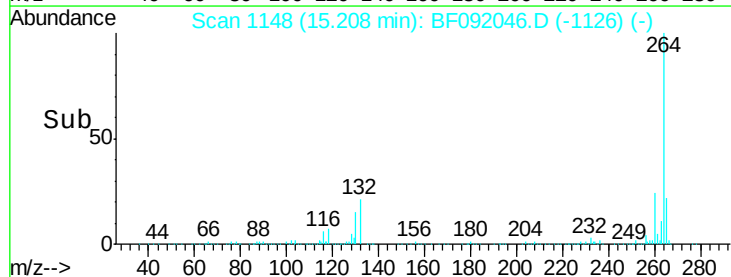
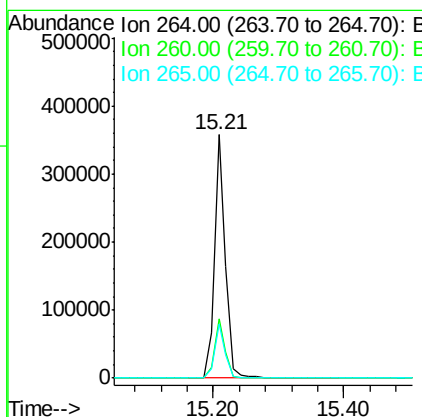
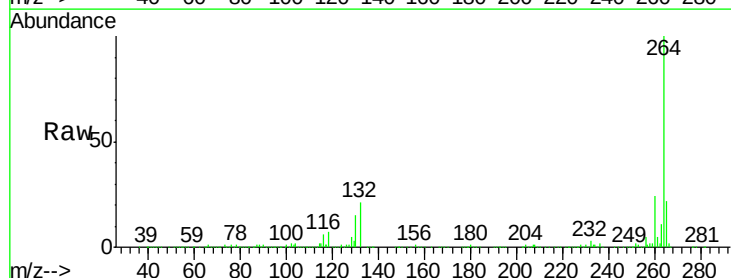
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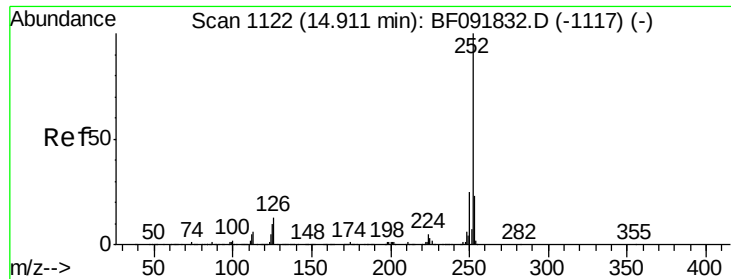
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.05 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion: 264 Resp: 424688
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.0 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 48.07 ng m

RT: 14.83 min Scan# 1115

Delta R.T. -0.03 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

Instrument :

BNA_F

ClientSampleId :

W-4(55-57)MSD

Tot Ion:252 Resp: 1270983

Ion Ratio Lower Upper

252 100

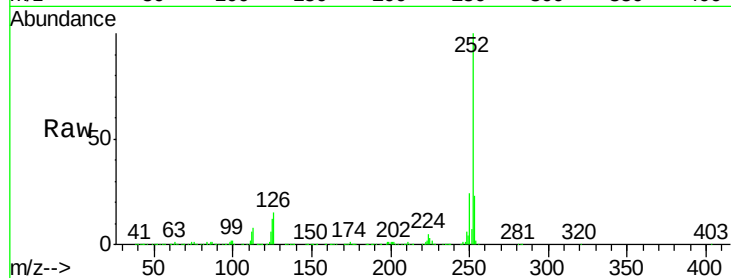
253 22.8 18.2 27.4

125 11.6 9.8 14.6

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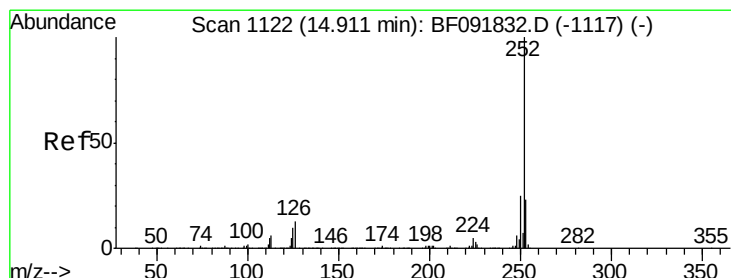
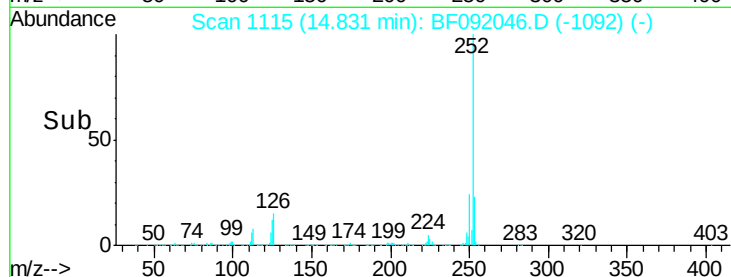
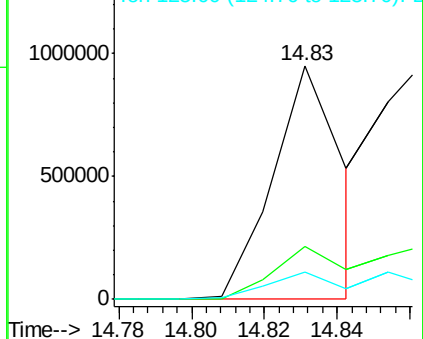
1/3/2017 9:14:18 AM



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: 56.80 ng m

RT: 14.87 min Scan# 1118

Delta R.T. -0.02 min

Lab File: BF092046.D

Acq: 30 Dec 2016 14:57

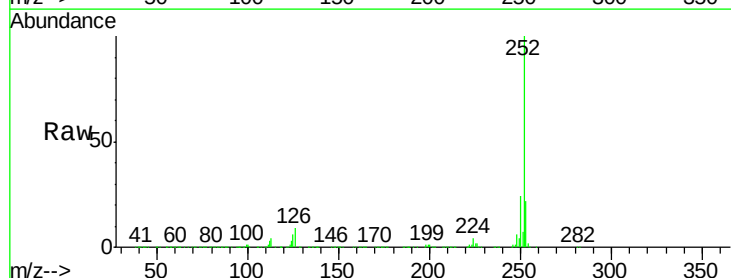
Tgt Ion:252 Resp: 1280566

Ion Ratio Lower Upper

252 100

253 22.0 18.5 27.7

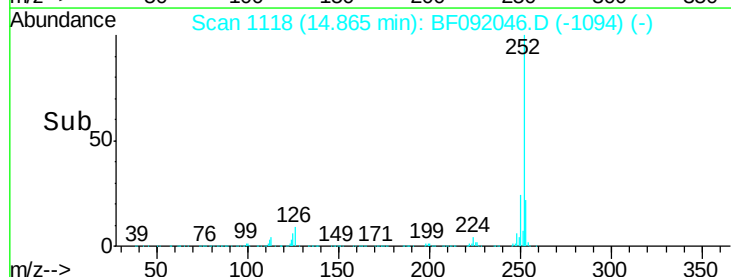
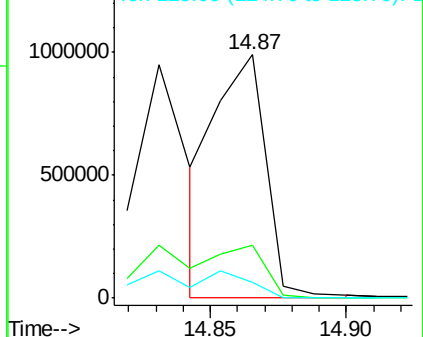
125 6.5 8.9 13.3#

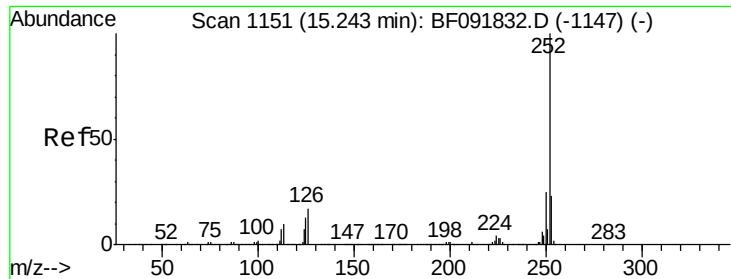


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





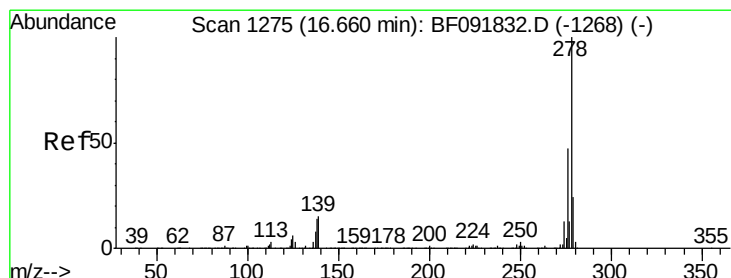
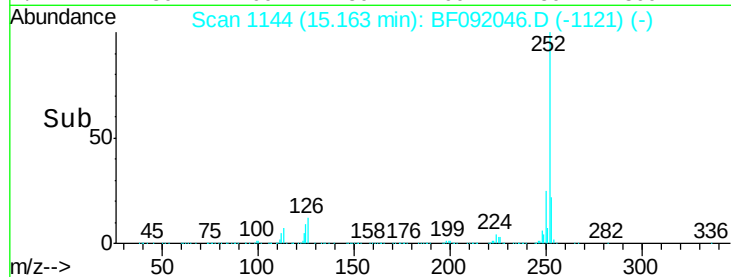
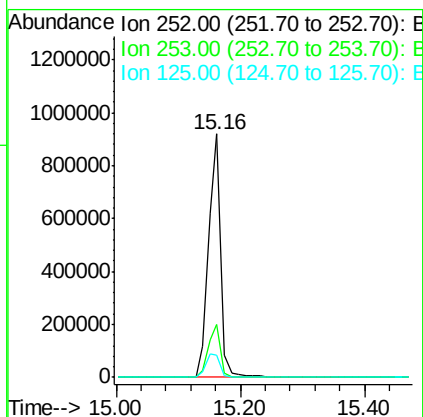
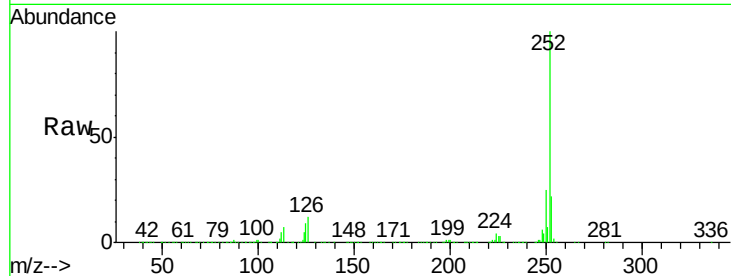
#89
Benzo(a)pyrene
Concen: 52.50 ng
RT: 15.16 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Instrument :
BNA_F
ClientSampleId :
W-4(55-57)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	9.1	10.0	15.0

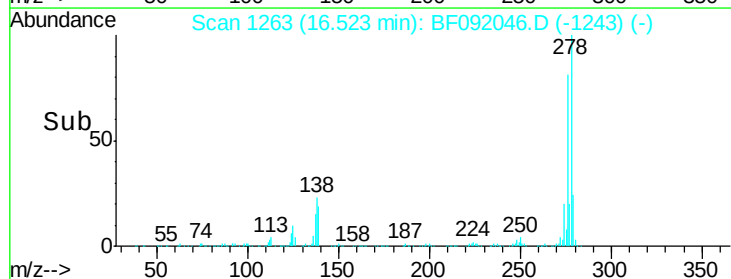
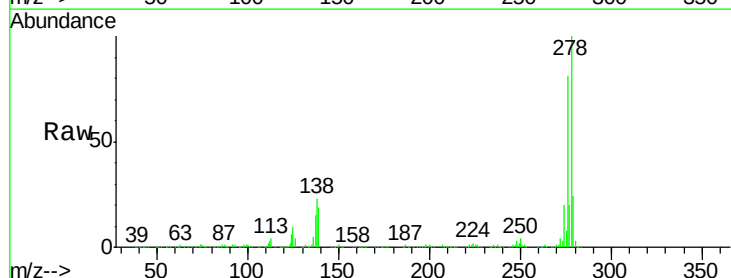
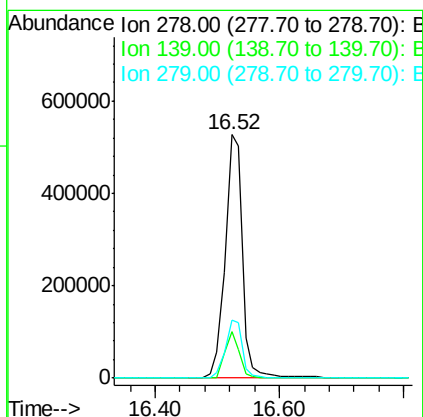
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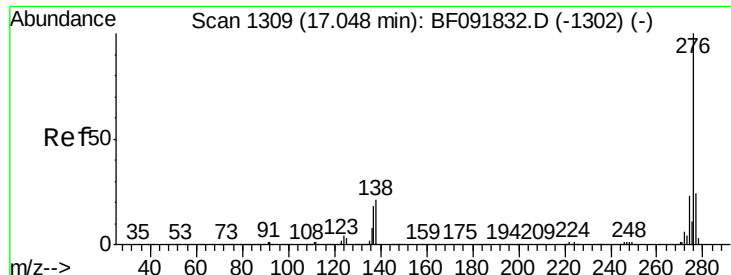
mohammad
1/3/2017 9:14:18 AM



#90
Dibenzo(a,h)anthracene
Concen: 52.88 ng
RT: 16.52 min Scan# 1263
Delta R.T. -0.07 min
Lab File: BF092046.D
Acq: 30 Dec 2016 14:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.8	22.2
279	23.8	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 52.98 ng
 RT: 16.90 min Scan# 1296
 Delta R.T. -0.07 min
 Lab File: BF092046.D
 Acq: 30 Dec 2016 14:57

Instrument :
 BNA_F
 ClientSampleId :
 W-4(55-57)MSD

Tot Ion:	276	Resp:	1062570
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.2	28.8
138	23.1	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 1/3/2017 9:14:18 AM

