

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
 Data File : BF090937.D
 Acq On : 31 Oct 2016 19:22
 Operator : UM/SJ
 Sample : H5463-09MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Manual Integrations
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Quant Time: Nov 01 13:31:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	135478m	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	539112	20.00	ng	-0.01
38) Acenaphthene-d10	9.79	164	293949	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	472775	20.00	ng	0.00
75) Chrysene-d12	13.91	240	411117	20.00	ng	0.00
86) Perylene-d12	15.30	264	287412	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	1071313	138.26	ng	0.01
7) Phenol-d6	6.40	99	1323865	126.64	ng	0.00
23) Nitrobenzene-d5	7.32	82	1023888	124.33	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	376235	124.55	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1530539	91.43	ng	0.00
78) Terphenyl-d14	12.85	244	1427383	87.47	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.32	88	156448	39.49	ng	# 74
3) Pyridine	3.00	79	439860	40.93	ng	# 71
4) n-Nitrosodimethylamine	2.96	42	167811	55.47	ng	# 65
6) Aniline	6.41	93	319587m	26.76	ng	
8) 2-Chlorophenol	6.53	128	478482	50.06	ng	88
9) Benzaldehyde	6.29	77	51761m	9.59	ng	
10) Phenol	6.41	94	488232m	42.38	ng	
11) bis(2-Chloroethyl)ether	6.49	93	447900	46.99	ng	94
12) 1,3-Dichlorobenzene	6.69	146	455547m	46.59	ng	
13) 1,4-Dichlorobenzene	6.76	146	471515m	45.86	ng	
14) 1,2-Dichlorobenzene	6.92	146	500793	50.81	ng	95
15) Benzyl Alcohol	6.90	79	395822m	57.65	ng	
16) 2,2'-oxybis(1-Chloropropan	7.04	45	639356	67.41	ng	75
17) 2-Methylphenol	7.01	107	383794m	52.78	ng	
18) Hexachloroethane	7.26	117	184239m	49.23	ng	
19) n-Nitroso-di-n-propylamine	7.17	70	365383m	60.45	ng	
20) 3+4-Methylphenols	7.17	107	473602	56.26	ng	# 78
22) Acetophenone	7.16	105	635608	57.31	ng	# 85
24) Nitrobenzene	7.33	77	495436	56.88	ng	# 64
25) Isophorone	7.57	82	953315	57.04	ng	# 85
26) 2-Nitrophenol	7.65	139	243435	52.17	ng	# 62
27) 2,4-Dimethylphenol	7.70	122	388927	51.48	ng	# 81
28) bis(2-Chloroethoxy)methane	7.79	93	509753	53.63	ng	# 93
29) 2,4-Dichlorophenol	7.90	162	348642	49.84	ng	99
30) 1,2,4-Trichlorobenzene	7.98	180	387491	47.93	ng	99
31) Naphthalene	8.05	128	1180790	46.85	ng	97
32) Benzoic acid	7.70	122	388927	70.90	ng	# 30
33) 4-Chloroaniline	8.11	127	145972	14.34	ng	# 91
34) Hexachlorobutadiene	8.18	225	224661	47.26	ng	99
35) Caprolactam	8.48	113	103581m	47.70	ng	
36) 4-Chloro-3-methylphenol	8.60	107	383755	50.44	ng	# 80
37) 2-Methylnaphthalene	8.75	142	836095	51.37	ng	# 92
39) 1,2,4,5-Tetrachlorobenzene	8.92	216	380170	47.14	ng	99
40) Hexachlorocyclopentadiene	8.90	237	298866	80.56	ng	95

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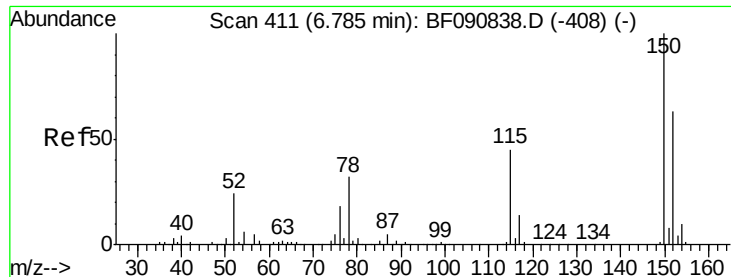
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.04	196	255945	49.16	ng	96
43) 2,4,5-Trichlorophenol	9.08	196	248467m	46.34	ng	
45) 1,1'-Biphenyl	9.22	154	978661	46.22	ng	93
46) 2-Chloronaphthalene	9.24	162	772719	47.98	ng	98
47) 2-Nitroaniline	9.33	65	211110	46.45	ng	# 75
48) Acenaphthylene	9.65	152	1254040	51.42	ng	96
49) Dimethylphthalate	9.53	163	1172288	59.69	ng	# 98
50) 2,6-Dinitrotoluene	9.58	165	226368	52.19	ng	91
51) Acenaphthene	9.82	154	742484	44.21	ng	89
52) 3-Nitroaniline	9.74	138	126243	27.34	ng	# 57
53) 2,4-Dinitrophenol	9.86	184	37602	16.47	ng	# 72
54) Dibenzofuran	10.00	168	1174418	54.18	ng	# 88
55) 4-Nitrophenol	9.93	139	294312	104.52	ng	# 78
56) 2,4-Dinitrotoluene	9.98	165	285613	53.01	ng	# 76
57) Fluorene	10.34	166	945815	53.27	ng	92
58) 2,3,4,6-Tetrachlorophenol	10.12	232	205240	42.86	ng	98
59) Diethylphthalate	10.22	149	958123	49.12	ng	98
60) 4-Chlorophenyl-phenylether	10.33	204	400742	46.24	ng	# 83
61) 4-Nitroaniline	10.36	138	216656	47.37	ng	# 47
62) Azobenzene	10.49	77	1086720	56.65	ng	84
64) 4,6-Dinitro-2-methylphenol	10.40	198	85603	27.31	ng	# 73
65) n-Nitrosodiphenylamine	10.45	169	800862	55.30	ng	91
66) 4-Bromophenyl-phenylether	10.82	248	266727	51.52	ng	97
67) Hexachlorobenzene	10.89	284	305830	49.91	ng	# 79
68) Atrazine	10.98	200	216754	48.38	ng	85
69) Pentachlorophenol	11.08	266	244650	74.43	ng	99
70) Phenanthrene	11.30	178	1241940	51.58	ng	97
71) Anthracene	11.34	178	1224330	48.29	ng	96
72) Carbazole	11.50	167	1165843	52.08	ng	94
73) Di-n-butylphthalate	11.84	149	1366488	47.35	ng	# 97
74) Fluoranthene	12.48	202	1195163	45.33	ng	93
76) Benzidine	12.60	184	321889	35.86	ng	98
77) Pyrene	12.48	202	1185842	45.58	ng	96
79) Butylbenzylphthalate	13.33	149	654115	55.41	ng	92
80) Benzo(a)anthracene	13.89	228	1094970	50.19	ng	96
81) 3,3'-Dichlorobenzidine	13.86	252	196449	23.19	ng	# 95
82) Chrysene	13.93	228	887540m	40.22	ng	
83) Bis(2-ethylhexyl)phthalate	13.89	149	809854	52.68	ng	# 93
84) Di-n-octyl phthalate	14.50	149	1264389	48.98	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.64	276	881650	45.08	ng	# 88
87) Benzo(b)fluoranthene	14.91	252	921507m	47.68	ng	
88) Benzo(k)fluoranthene	14.93	252	732146m	47.94	ng	
89) Benzo(a)pyrene	15.24	252	754002	45.41	ng	# 87
90) Dibenzo(a,h)anthracene	16.65	278	754964	53.70	ng	# 83
91) Benzo(g,h,i)perylene	17.04	276	742349	56.07	ng	# 79

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.75 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:152 Resp: 135478

Ion Ratio Lower Upper

152 100

150 155.8 124.7 187.1

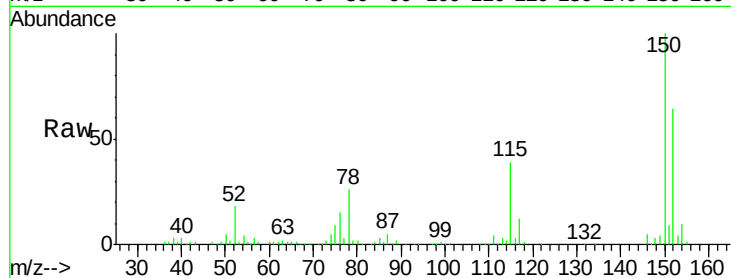
115 60.1 39.0 58.4#

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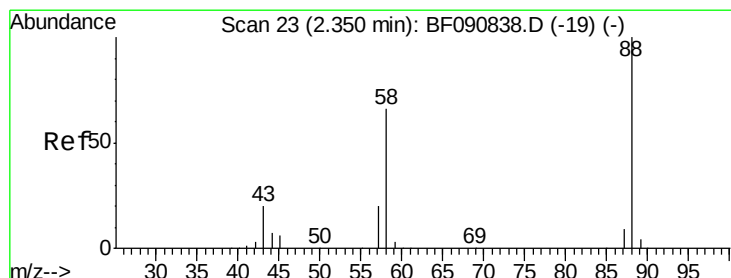
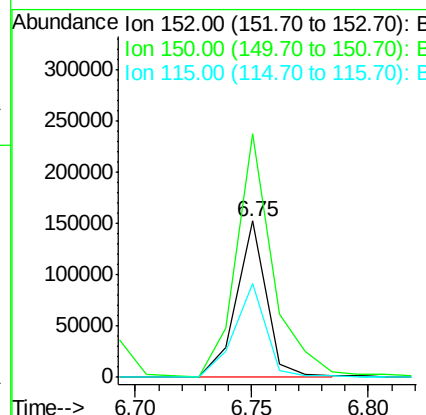
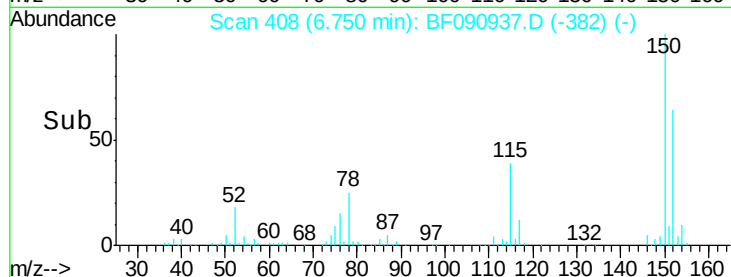
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 39.49 ng

RT: 2.32 min Scan# 20

Delta R.T. 0.07 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

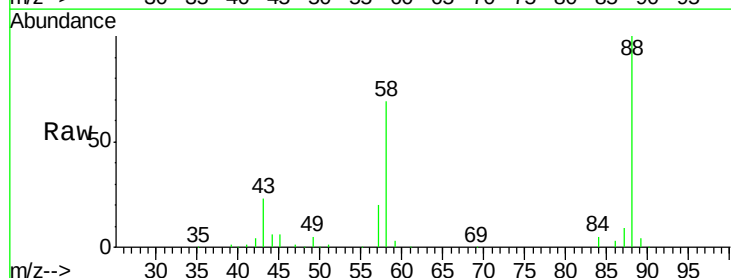
Tgt Ion: 88 Resp: 156448

Ion Ratio Lower Upper

88 100

58 69.2 77.7 116.5#

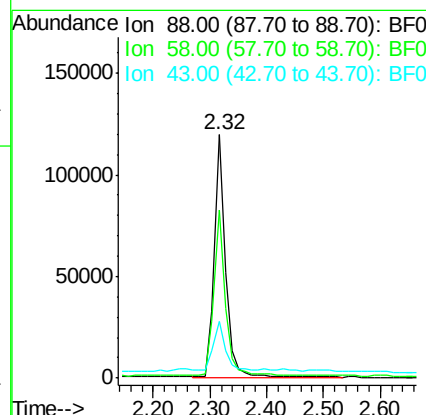
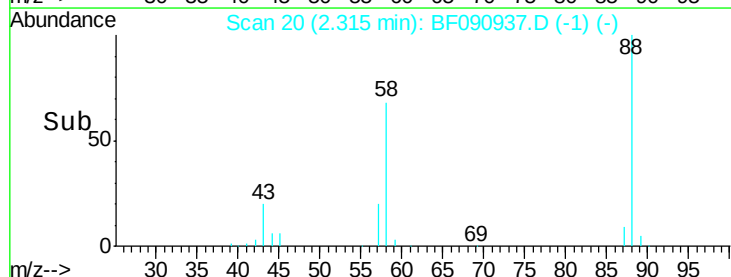
43 21.9 26.6 40.0#

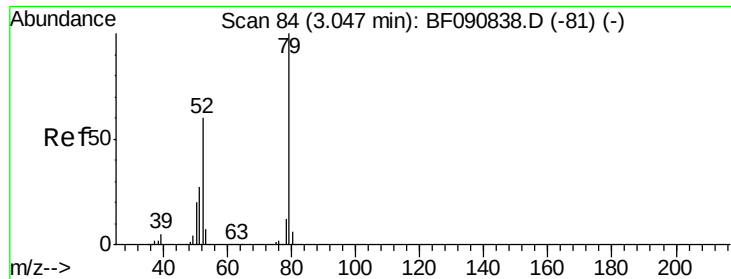


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 40.93 ng

RT: 3.00 min Scan# 80

Delta R.T. 0.07 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

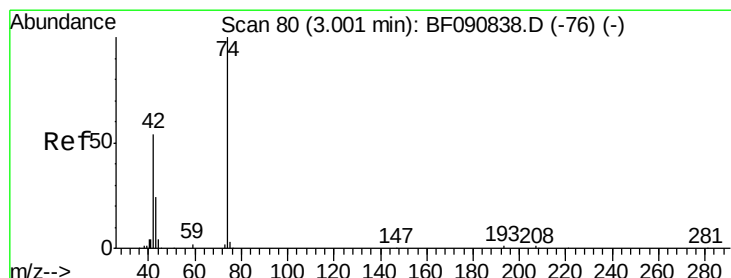
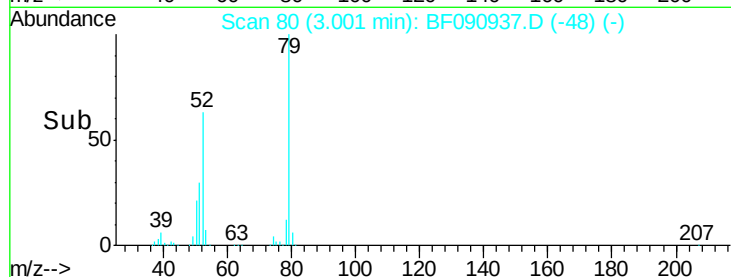
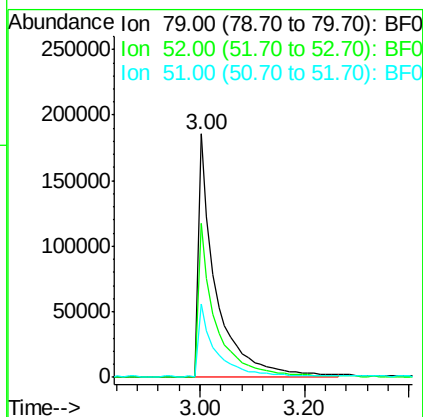
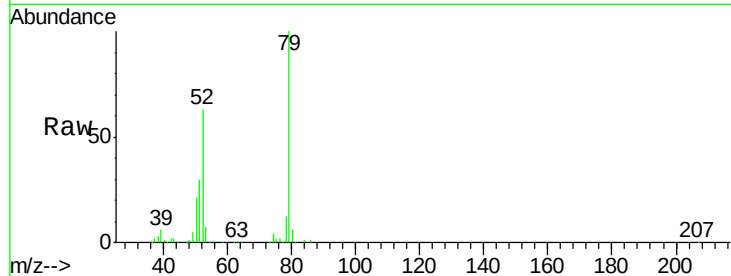
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:	79	Resp:	439860
Ion Ratio	Lower	Upper	
79	100		
52	63.2	76.8	115.2#
51	30.0	32.2	48.4#

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#4

n-Nitrosodimethylamine

Concen: 55.47 ng

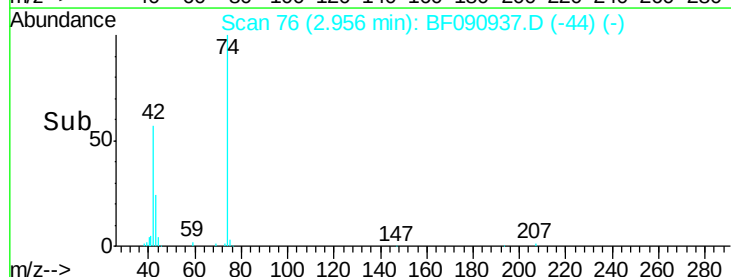
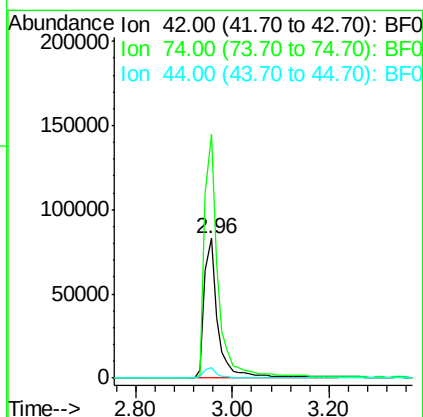
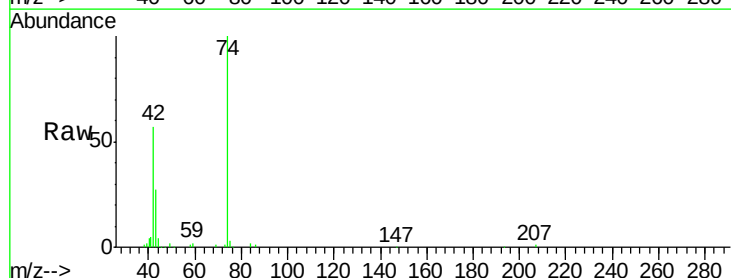
RT: 2.96 min Scan# 76

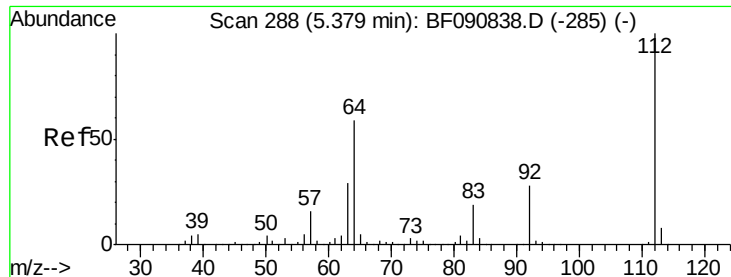
Delta R.T. 0.07 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion:	42	Resp:	167811
Ion Ratio	Lower	Upper	
42	100		
74	174.5	105.0	157.6#
44	7.2	6.6	10.0





#5

2-Fluorophenol

Concen: 138.26 ng

RT: 5.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

ClientSampleId :

SB-4(12-14)MSD

Tgt Ion: 112 Resp: 1071313

Ion Ratio Lower Upper

112 100

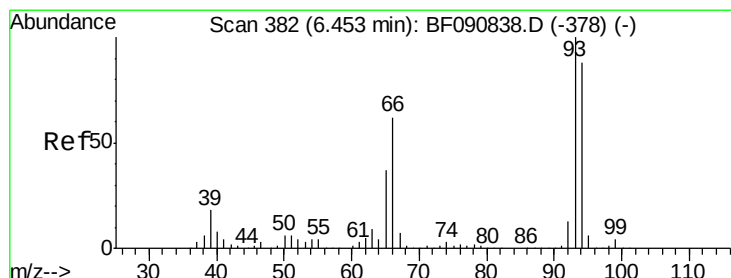
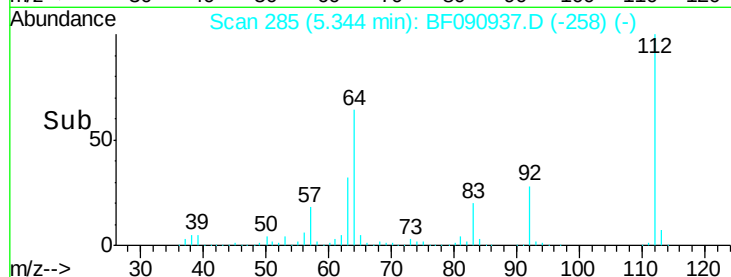
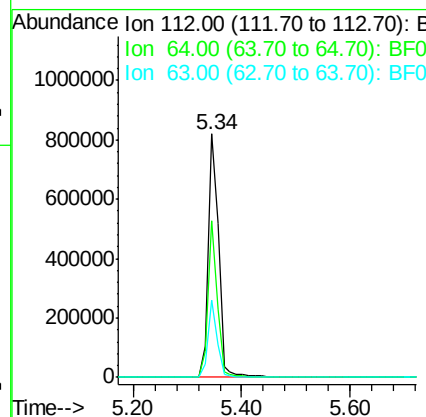
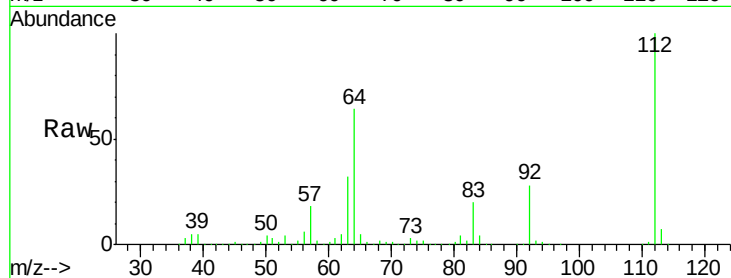
64 64.2 39.7 59.5#

63 31.6 17.4 26.0#

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#6

Aniline

Concen: 26.76 ng m

RT: 6.41 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

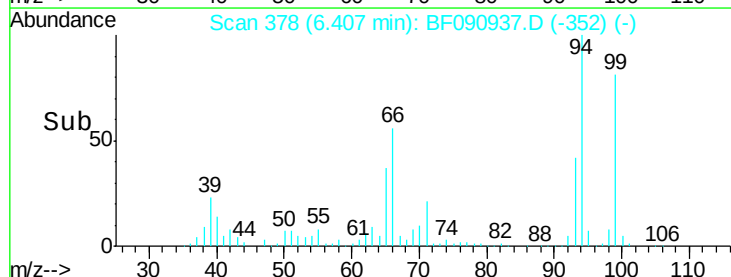
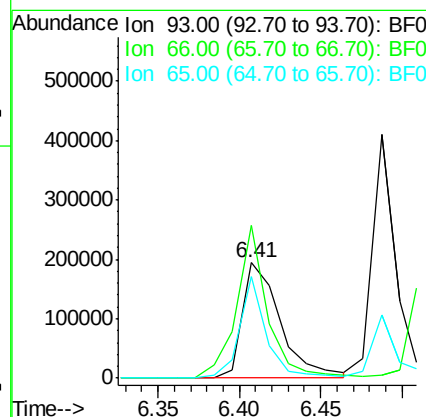
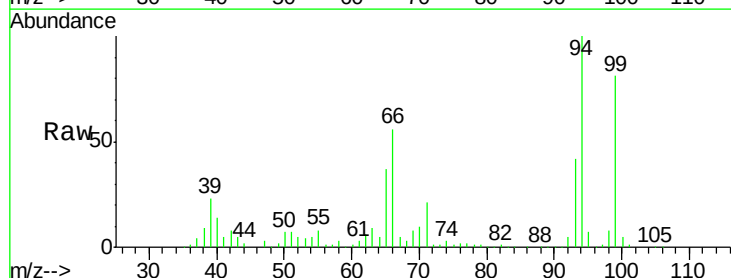
Tgt Ion: 93 Resp: 319587

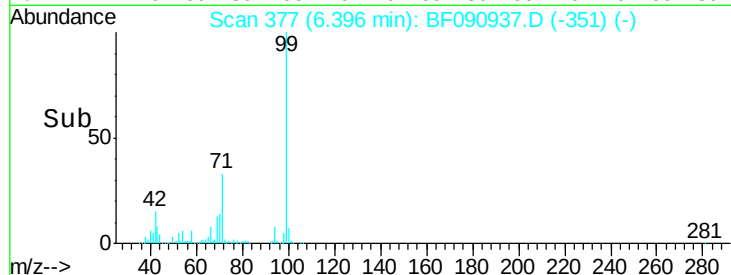
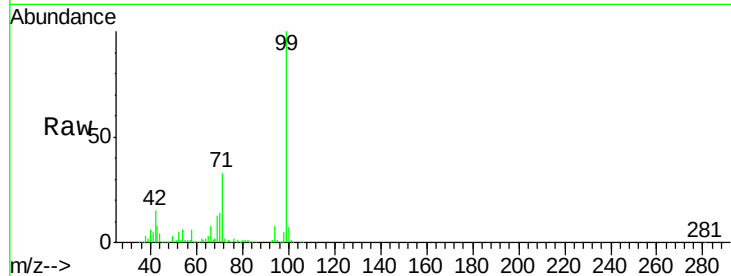
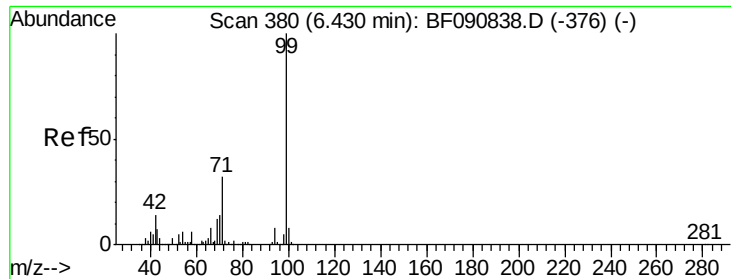
Ion Ratio Lower Upper

93 100

66 132.5 27.2 40.8#

65 87.6 14.7 22.1#





#7

Phenol-d6

Concen: 126.64 ng

RT: 6.40 min Scan# 377

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.7	13.7	20.5
71	32.7	14.2	21.2

Instrument :

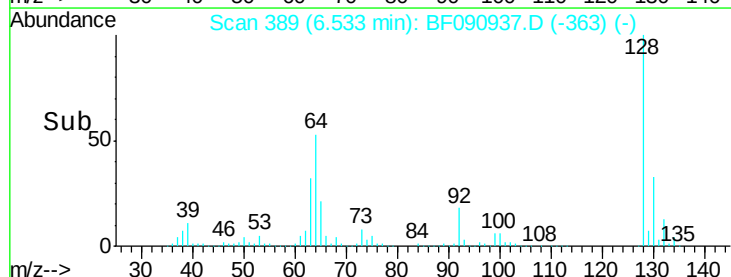
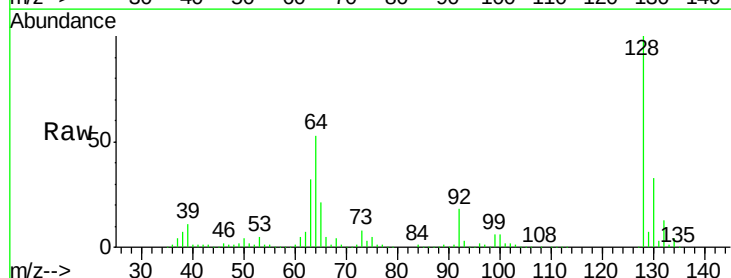
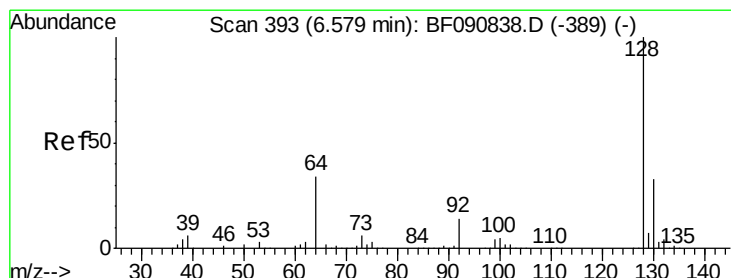
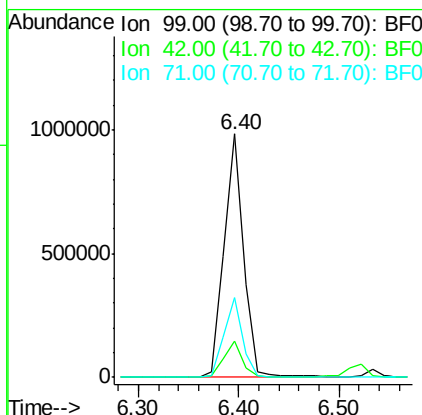
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#8

2-Chlorophenol

Concen: 50.06 ng

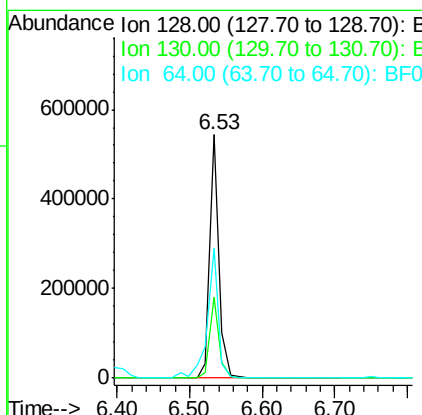
RT: 6.53 min Scan# 389

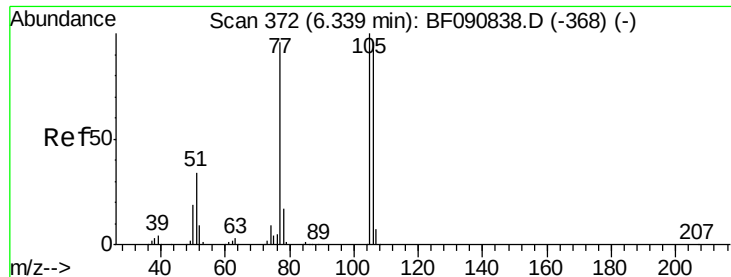
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.2	52.2
64	53.4	20.5	60.5





#9

Benzaldehyde

Concen: 9.59 ng m

RT: 6.29 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

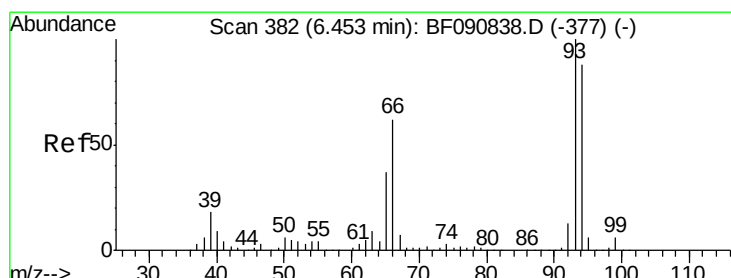
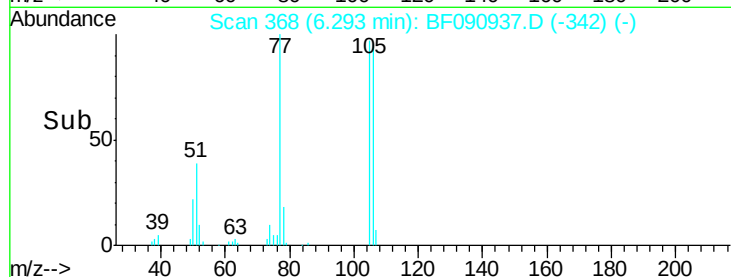
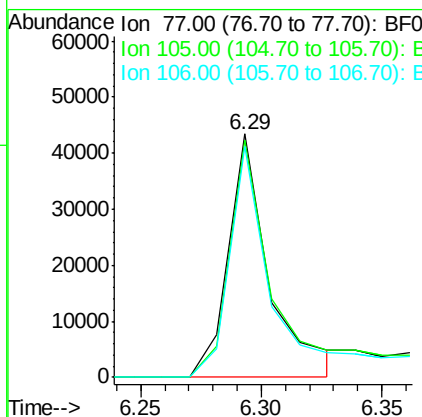
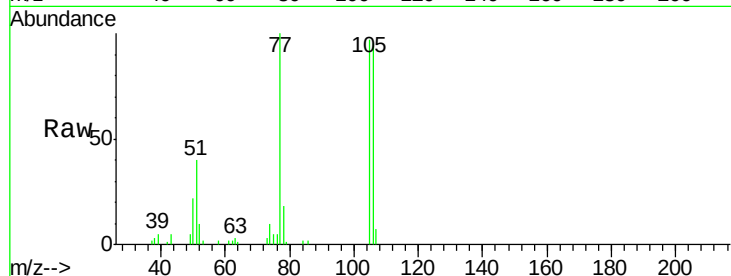
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
77	100		
105	97.4	91.6	131.6
106	94.8	102.6	142.6

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#10

Phenol

Concen: 42.38 ng m

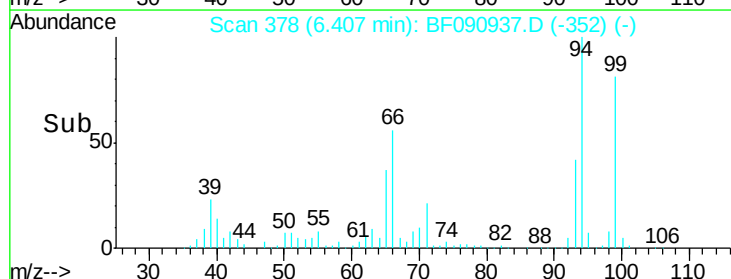
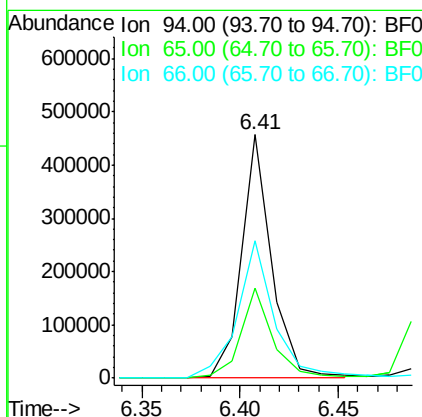
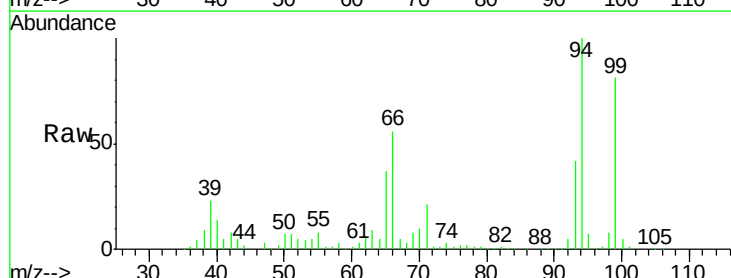
RT: 6.41 min Scan# 378

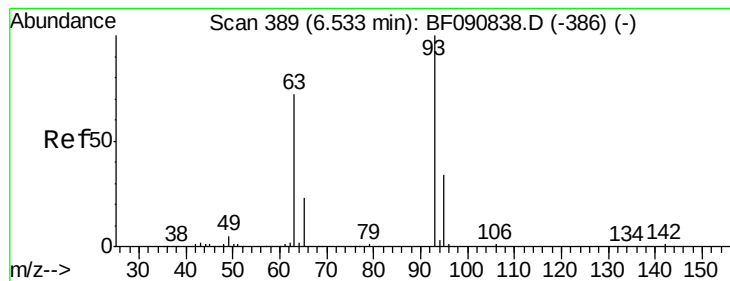
Delta R.T. 0.00 min

Lab File: BF090937.D

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Tgt Ion	Ratio	Lower	Upper
94	100		
65	37.2	0.7	40.7
66	56.3	0.8	40.8





#11

bis(2-Chloroethyl)ether

Concen: 46.99 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

ClientSampleId :

SB-4(12-14)MSD

Tgt Ion: 93 Resp: 447900

Ion Ratio Lower Upper

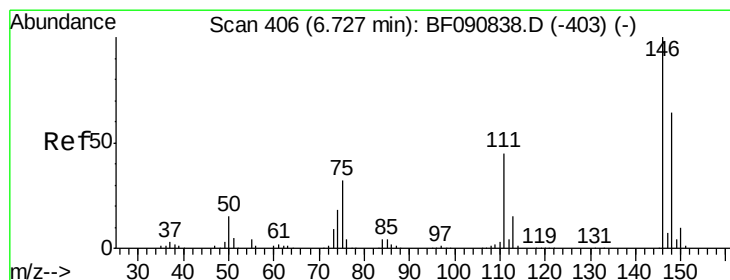
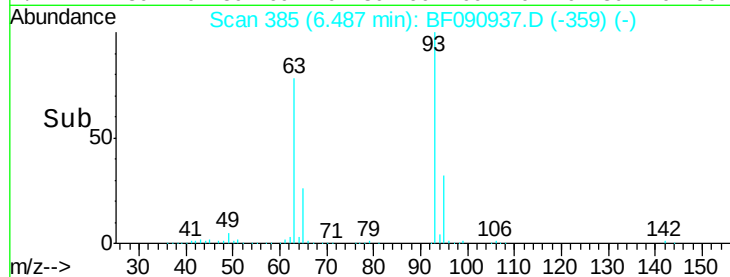
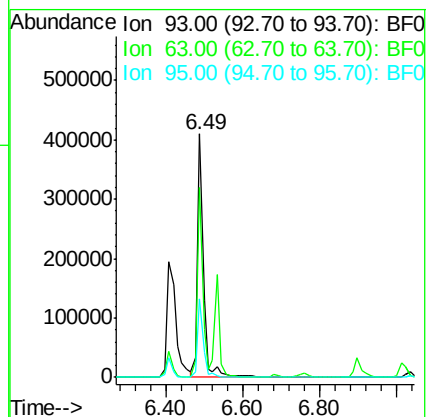
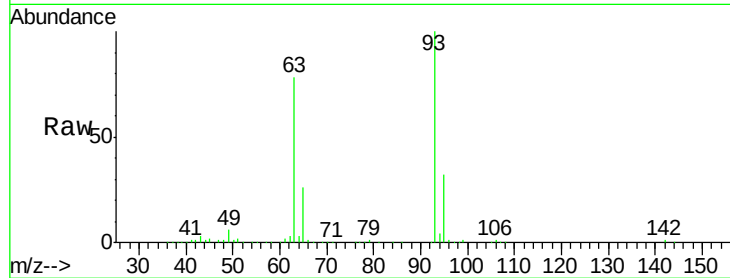
93 100

63 78.2 65.6 105.6

95 32.3 13.6 53.6

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#12

1,3-Dichlorobenzene

Concen: 46.59 ng m

RT: 6.69 min Scan# 403

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

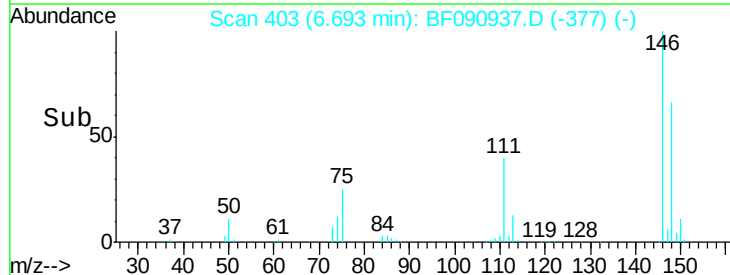
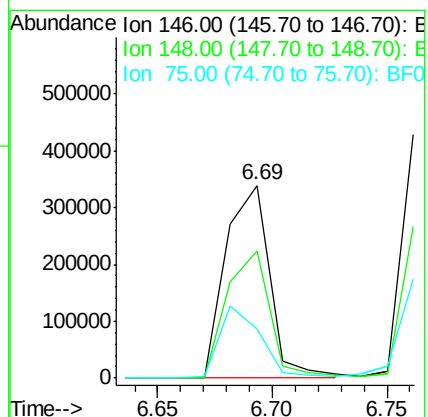
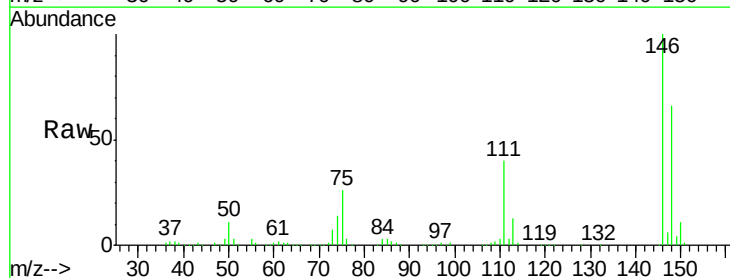
Tgt Ion: 146 Resp: 455547

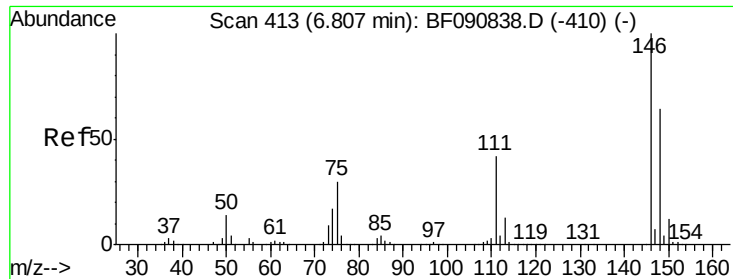
Ion Ratio Lower Upper

146 100

148 66.1 51.0 76.4

75 25.7 15.0 22.6#





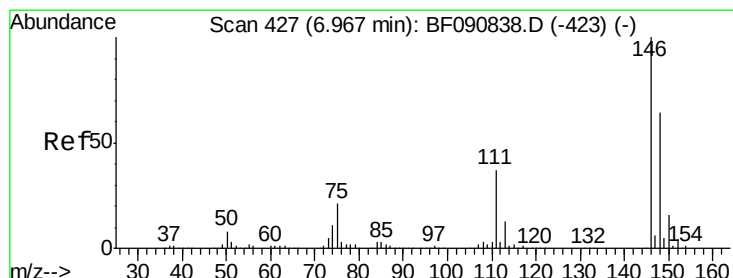
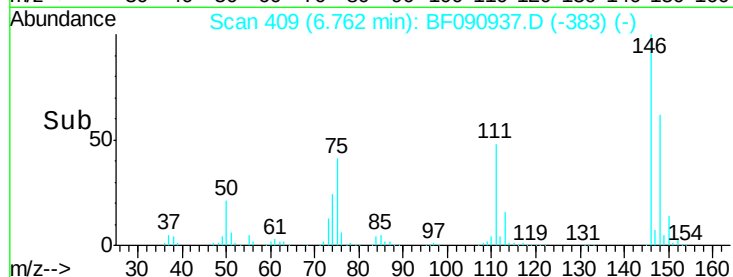
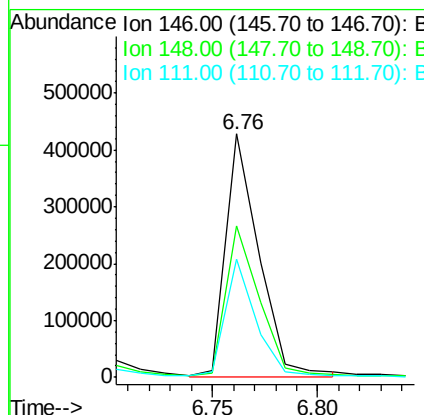
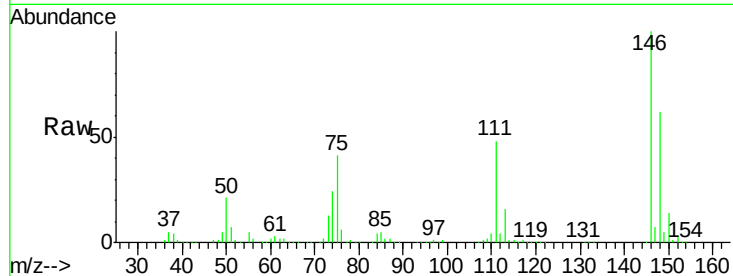
#13
 1,4-Dichlorobenzene
 Concen: 45.86 ng m
 RT: 6.76 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.4	51.8	77.6
111	48.4	24.9	37.3

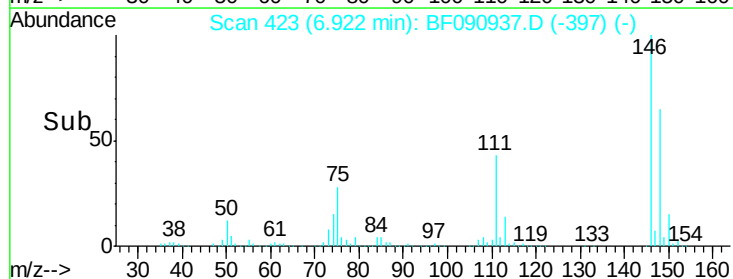
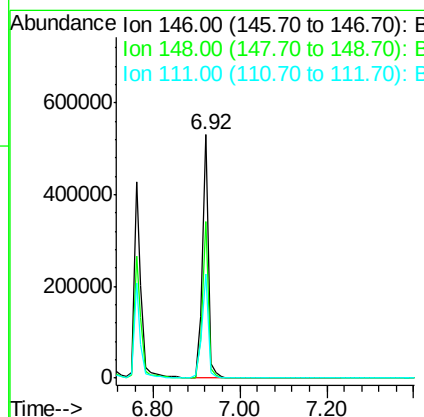
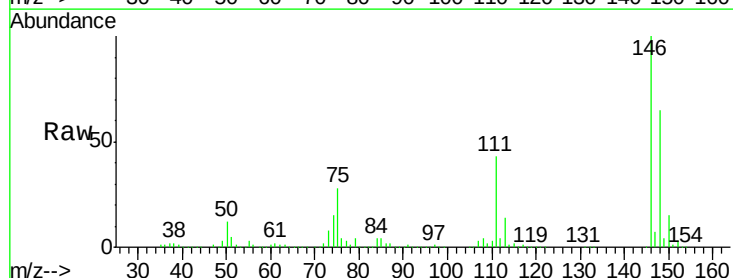
Manual Integrations
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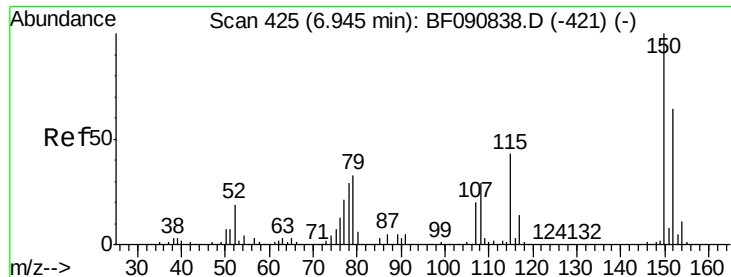
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#14
 1,2-Dichlorobenzene
 Concen: 50.81 ng
 RT: 6.92 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.7	79.1
111	42.9	28.8	43.2





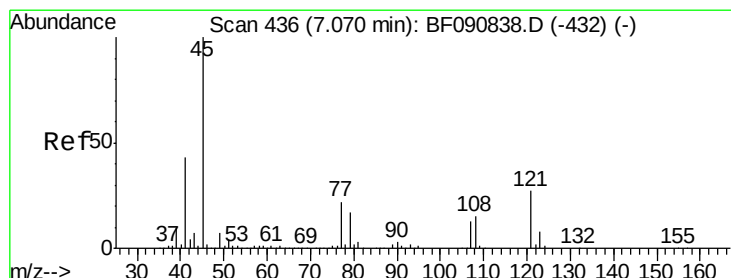
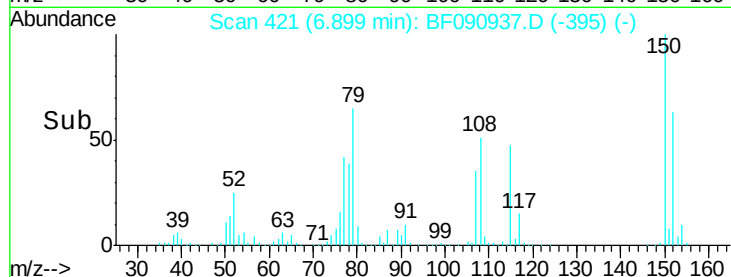
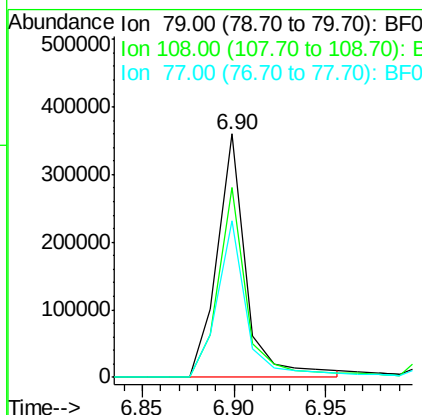
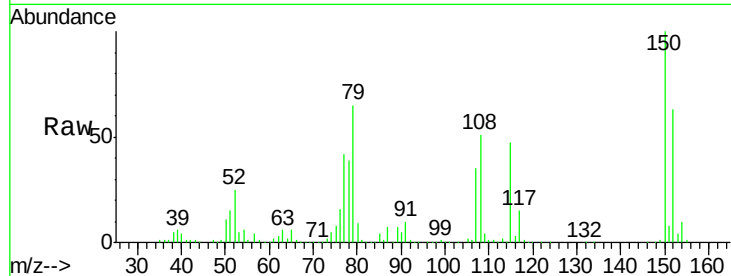
#15
Benzyl Alcohol
Concen: 57.65 ng m
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion: 79 Resp: 395822
Ion Ratio Lower Upper
79 100
108 78.1 88.6 132.8#
77 64.4 47.0 70.4

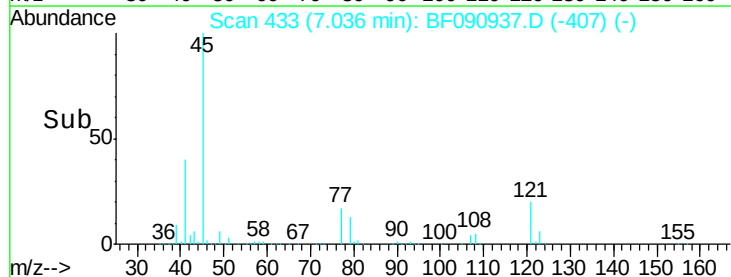
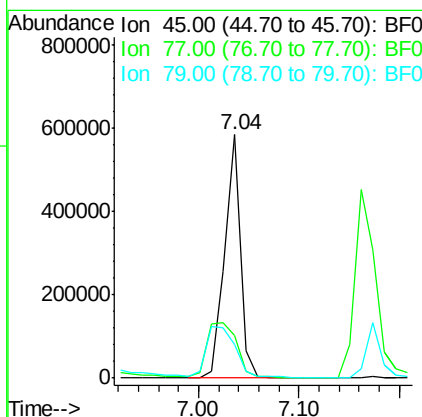
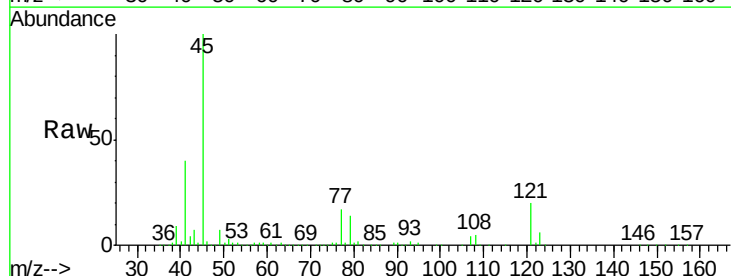
Manual Integrations
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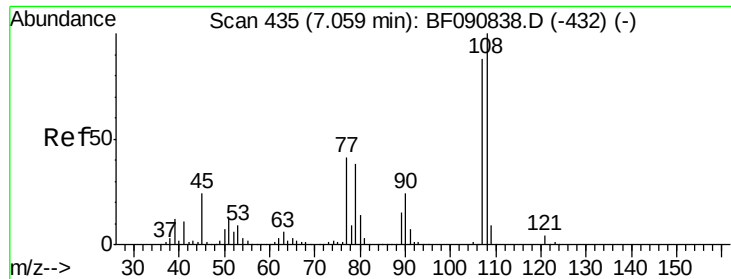
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 67.41 ng
RT: 7.04 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion: 45 Resp: 639356
Ion Ratio Lower Upper
45 100
77 17.3 0.0 28.1
79 13.8 0.0 26.0





#17

2-Methylphenol

Concen: 52.78 ng m

RT: 7.01 min Scan# 431

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

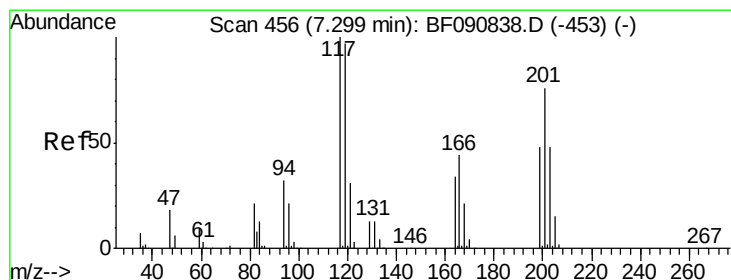
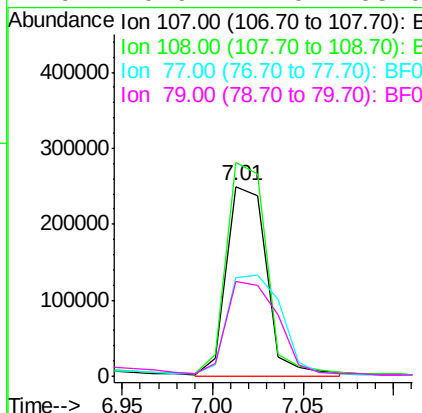
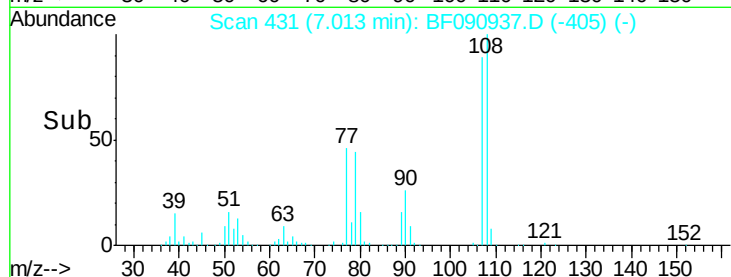
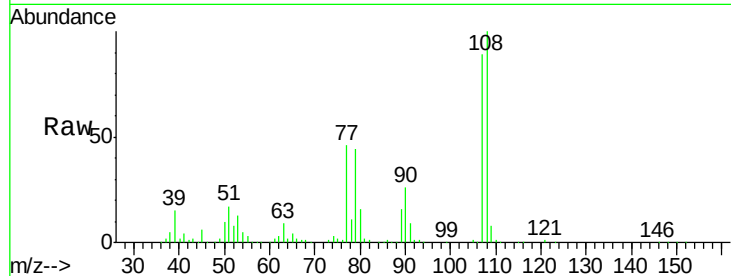
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:	107	Resp:	383794
Ion Ratio	Lower	Upper	
107	100		
108	112.7	96.6	145.0
77	52.1	23.3	34.9#
79	49.9	22.0	33.0#

Manual Integrations
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#18

Hexachloroethane

Concen: 49.23 ng m

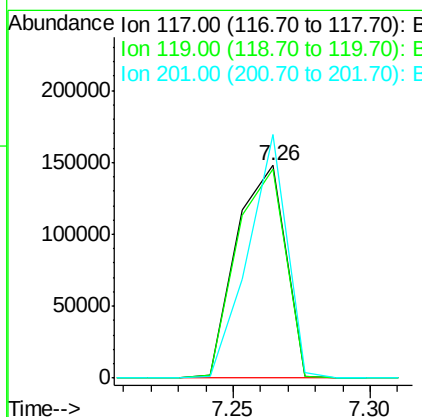
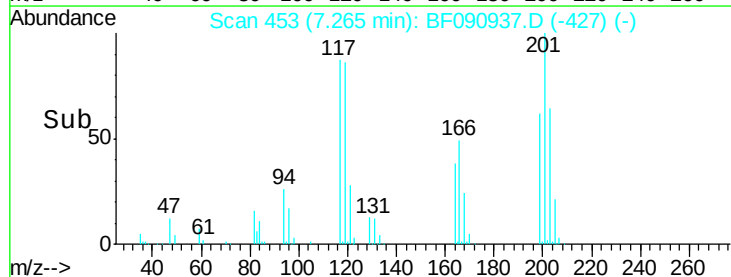
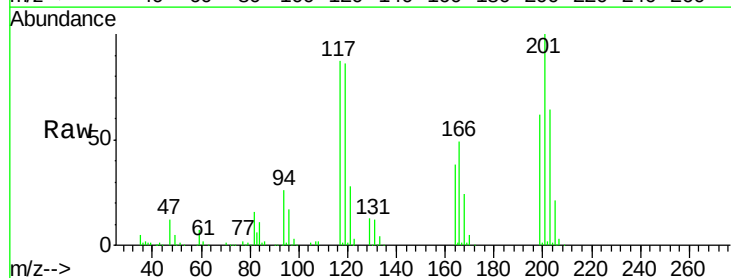
RT: 7.26 min Scan# 453

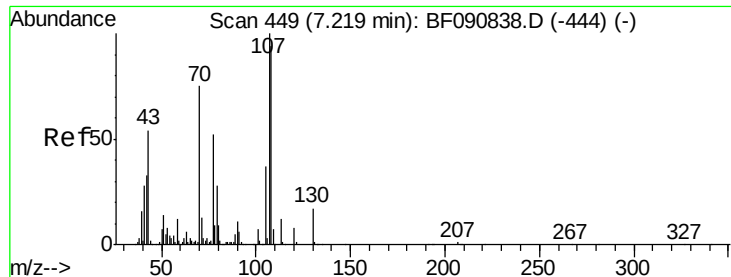
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion:	117	Resp:	184239
Ion Ratio	Lower	Upper	
117	100		
119	98.3	83.8	125.6
201	114.4	55.1	82.7#





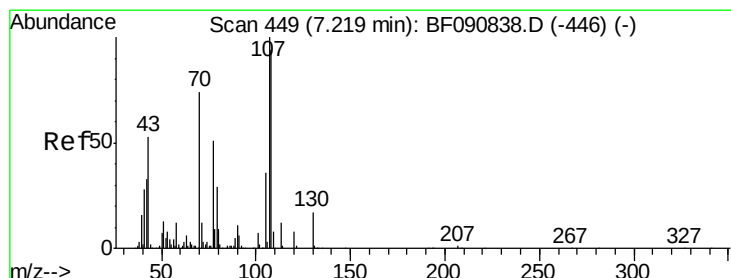
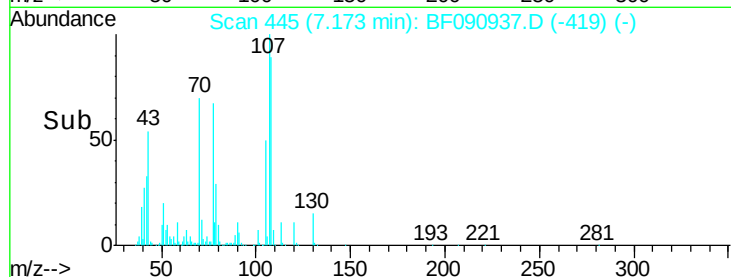
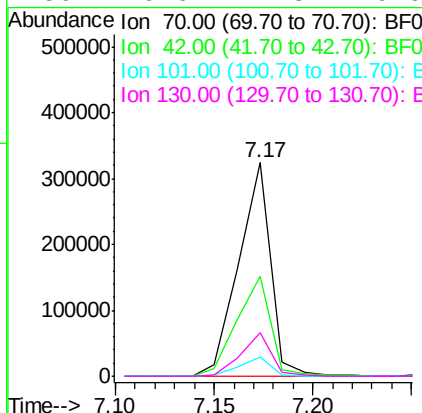
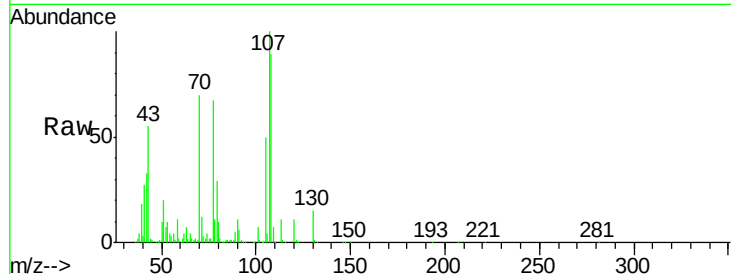
#19
n-Nitroso-di-n-propylamine
Concen: 60.45 ng m
RT: 7.17 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
70	100			
42	46.6	63.8	95.6#	
101	9.3	9.2	13.8	
130	20.6	27.3	40.9#	

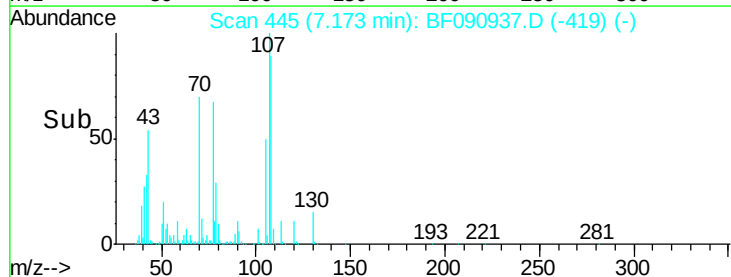
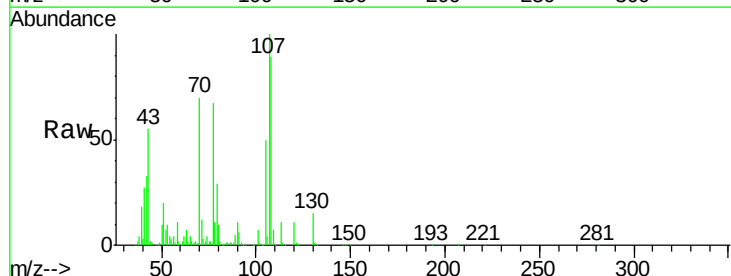
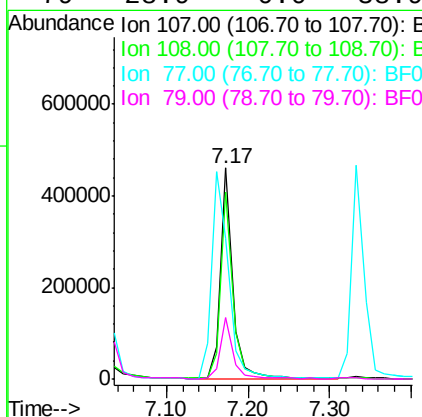
Manual Integrations
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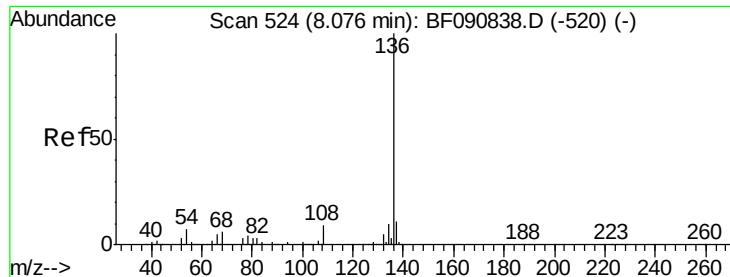
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#20
3+4-Methylphenols
Concen: 56.26 ng
RT: 7.17 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	88.9	74.6	114.6	
77	66.7	0.7	40.7#	
79	28.9	0.0	38.9	





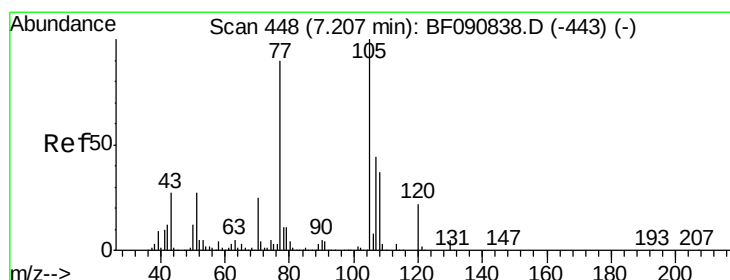
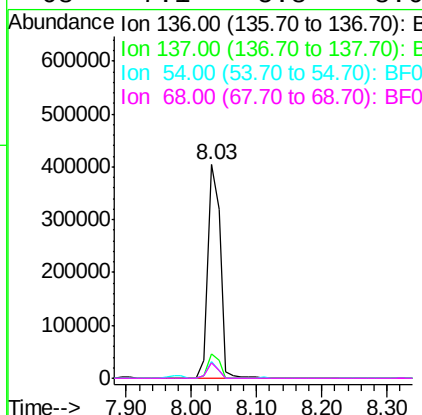
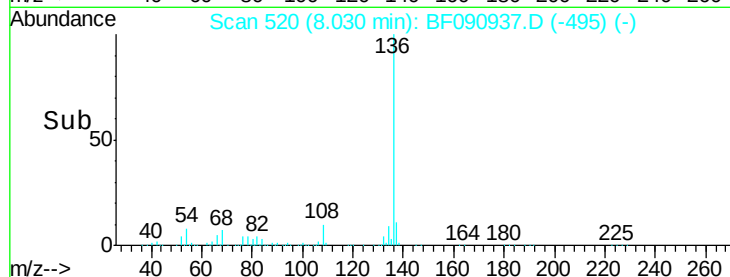
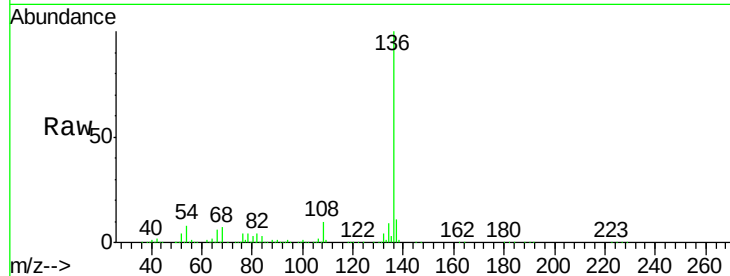
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	539112		
137	11.1	9.0	13.6	
54	7.8	8.2	12.2	
68	7.1	5.8	8.6	

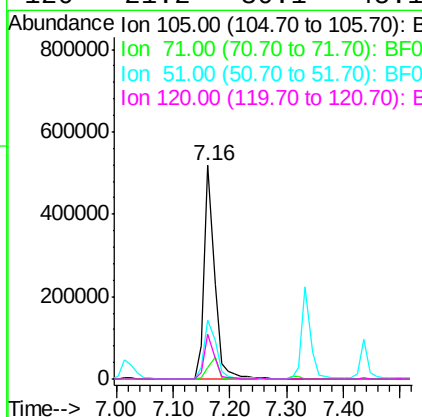
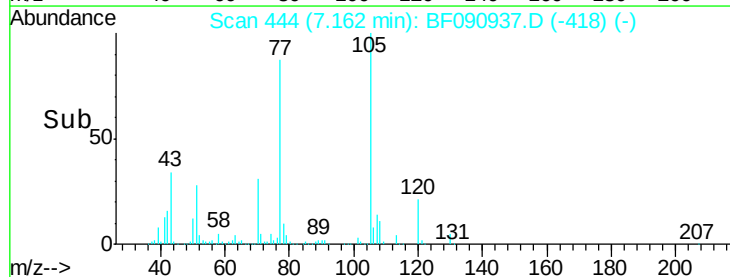
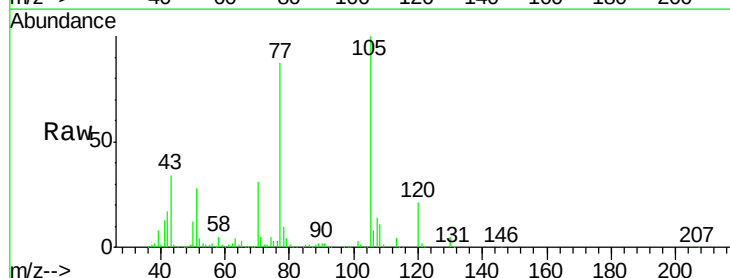
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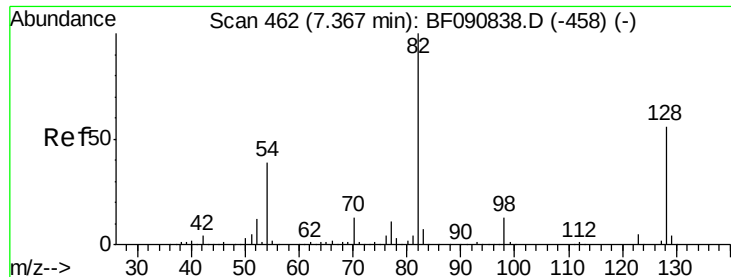
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#22
Acetophenone
Concen: 57.31 ng
RT: 7.16 min Scan# 444
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	635608		
71	5.4	4.7	7.1	
51	27.7	22.0	33.0	
120	21.2	30.1	45.1	





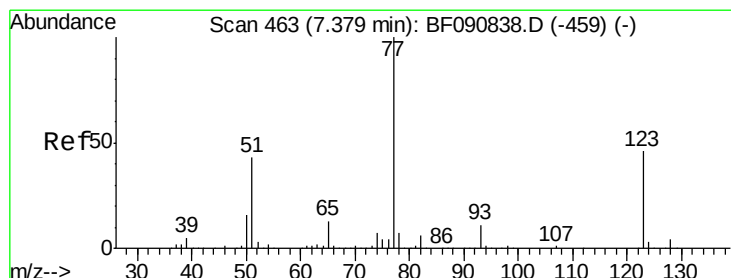
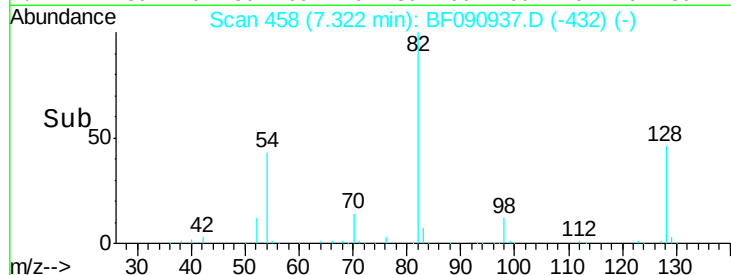
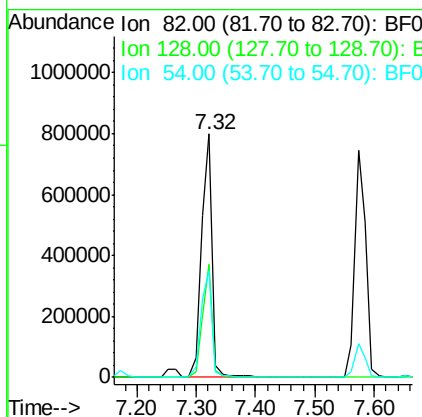
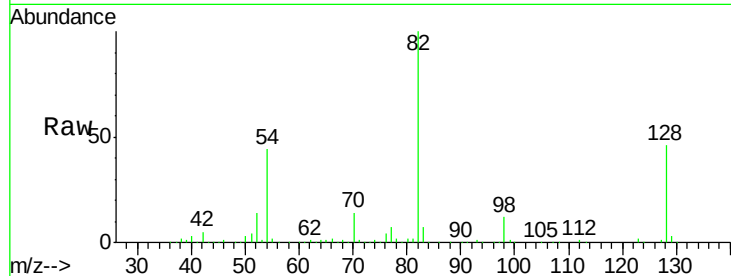
#23
 Nitrobenzene-d5
 Concen: 124.33 ng
 RT: 7.32 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Tgt Ion: 82 Resp: 1023888
 Ion Ratio Lower Upper
 82 100
 128 46.3 51.0 76.6#
 54 43.9 47.5 71.3#

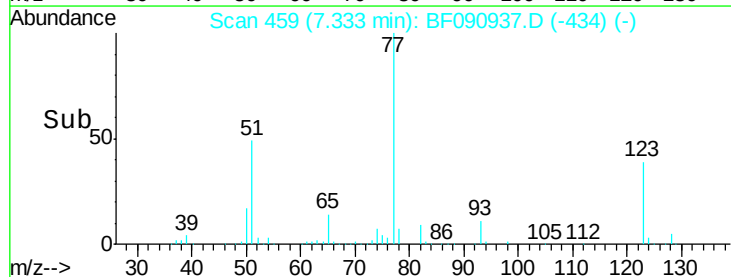
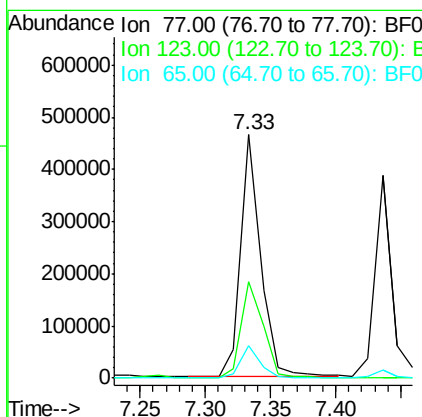
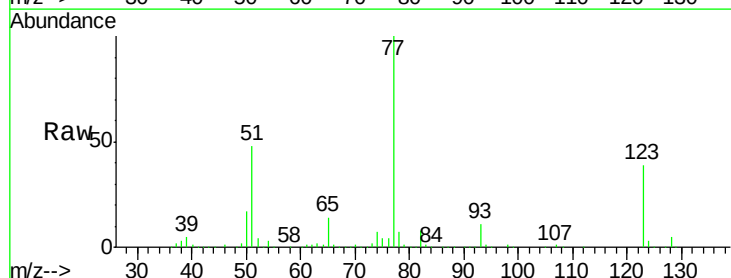
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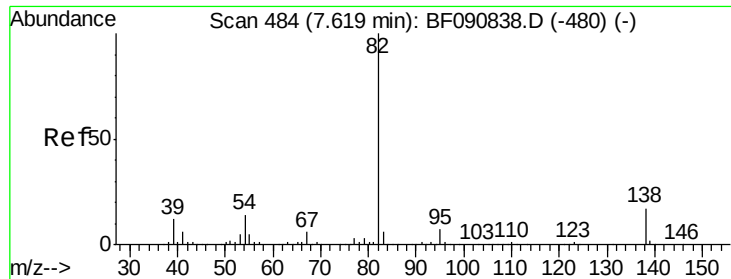
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#24
 Nitrobenzene
 Concen: 56.88 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion: 77 Resp: 495436
 Ion Ratio Lower Upper
 77 100
 123 39.4 59.8 89.8#
 65 13.5 10.2 15.4





#25

Isophorone

Concen: 57.04 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.01 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

ClientSampleId :

SB-4(12-14)MSD

Tgt Ion: 82 Resp: 953315
Ion Ratio Lower Upper

82 100

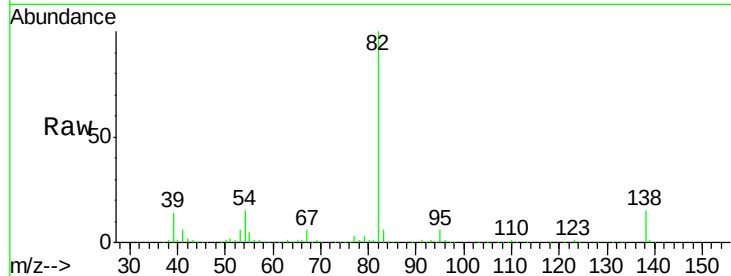
95 6.2 4.0 6.0#

138 14.7 18.3 27.5#

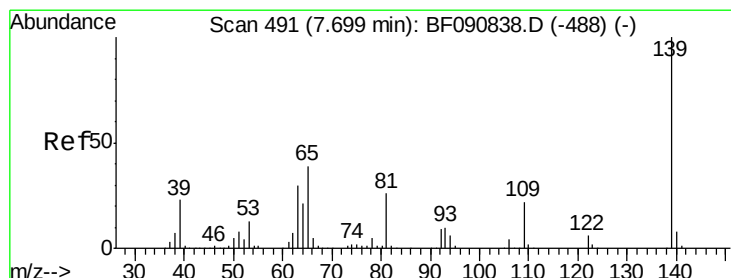
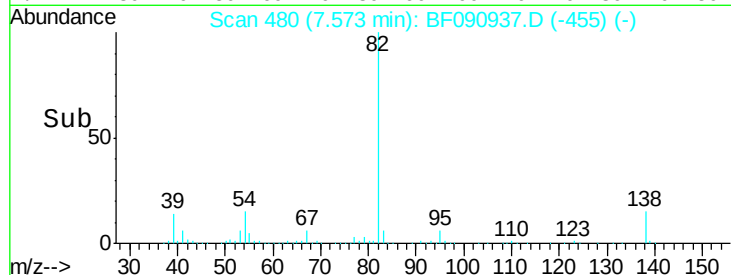
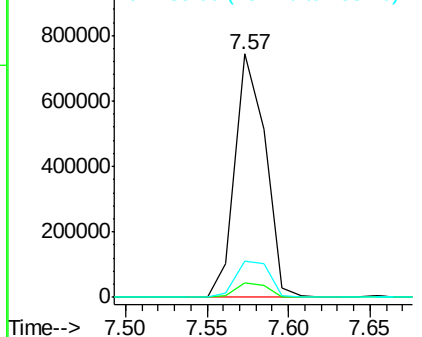
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 52.17 ng

RT: 7.65 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF090937.D

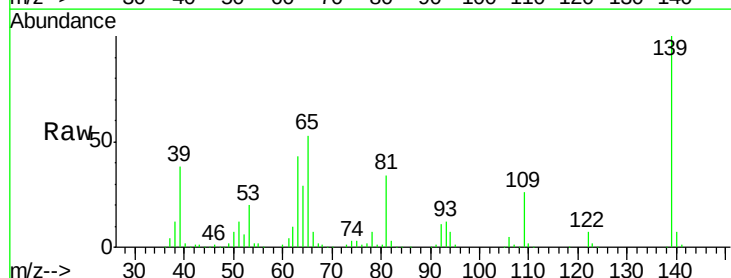
Acq: 31 Oct 2016 19:22

Tgt Ion: 139 Resp: 243435
Ion Ratio Lower Upper

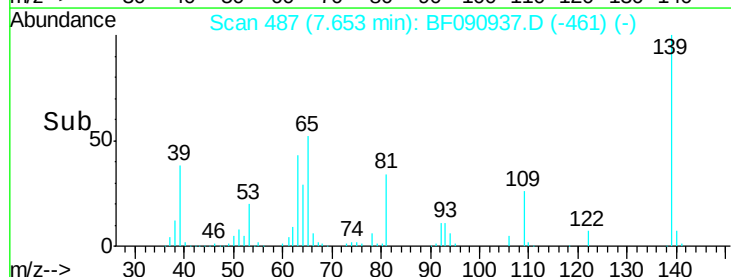
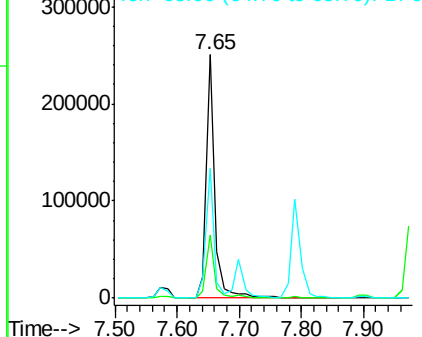
139 100

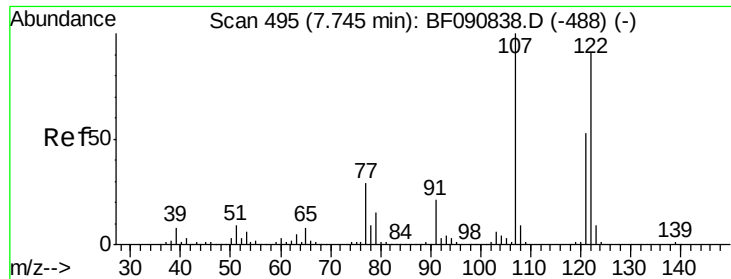
109 26.0 11.0 16.4#

65 53.5 24.7 37.1#



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





#27

2,4-Dimethylphenol

Concen: 51.48 ng

RT: 7.70 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

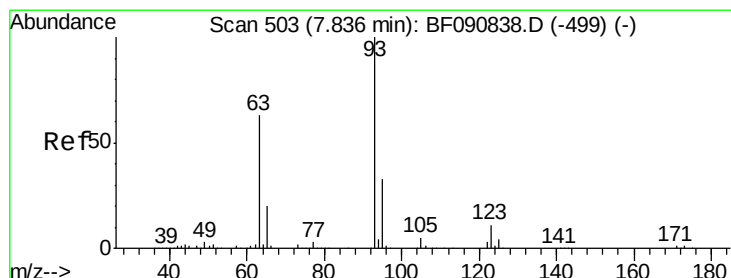
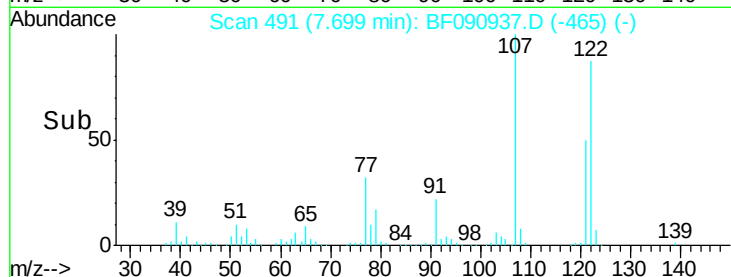
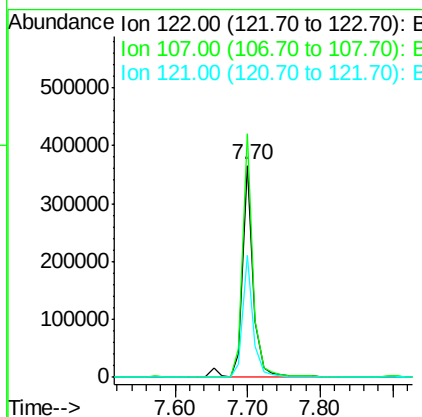
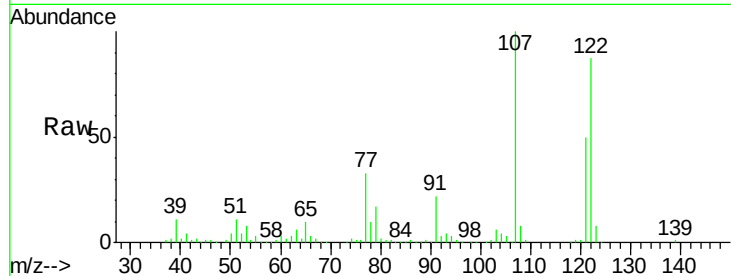
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion: 122 Resp: 388927
 Ion Ratio Lower Upper
 122 100
 107 114.7 71.8 107.6#
 121 57.4 42.3 63.5

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#28

bis(2-Chloroethoxy)methane

Concen: 53.63 ng

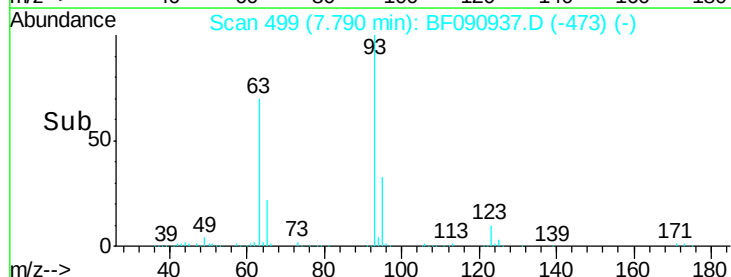
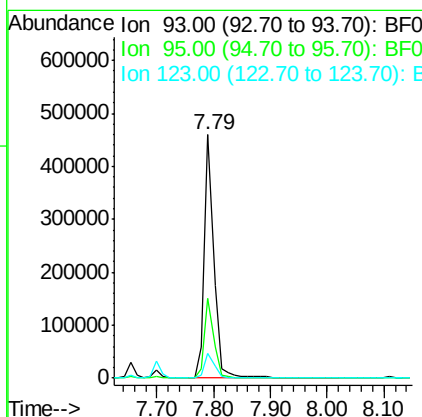
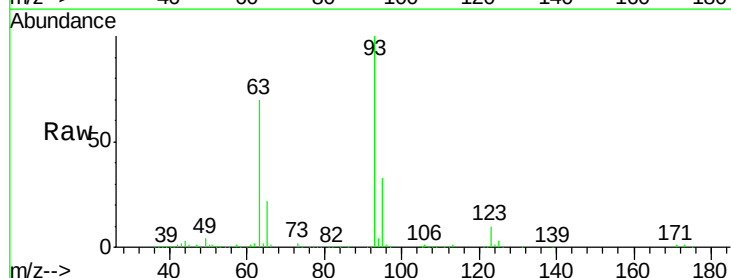
RT: 7.79 min Scan# 499

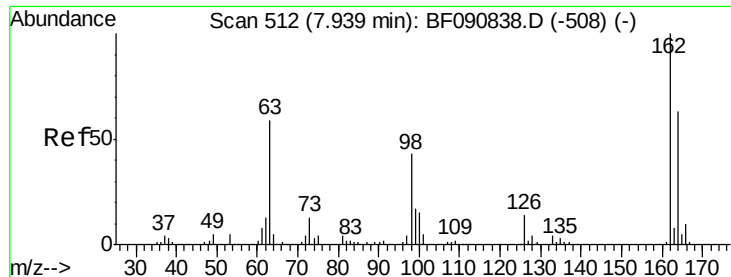
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion: 93 Resp: 509753
 Ion Ratio Lower Upper
 93 100
 95 32.7 27.5 41.3
 123 9.9 13.7 20.5#





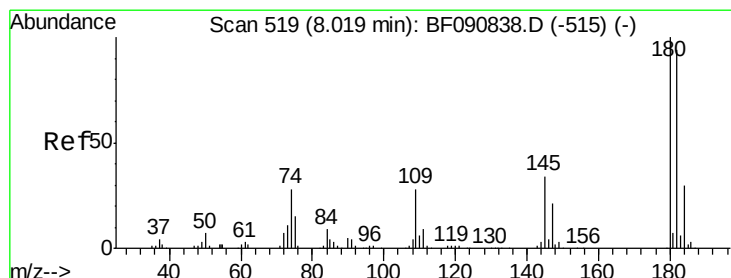
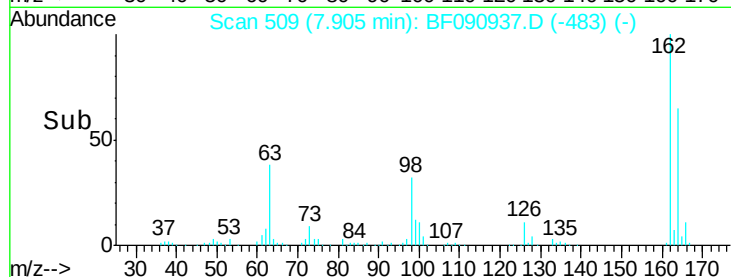
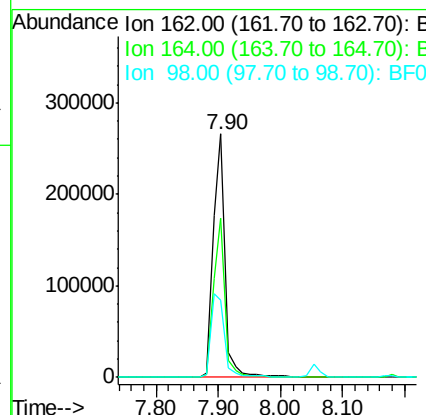
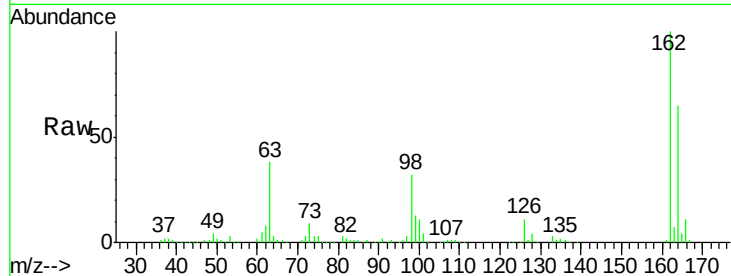
#29
 2,4-Dichlorophenol
 Concen: 49.84 ng
 RT: 7.90 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	348642		
164	65.5	44.9	84.9	
98	31.5	13.0	53.0	

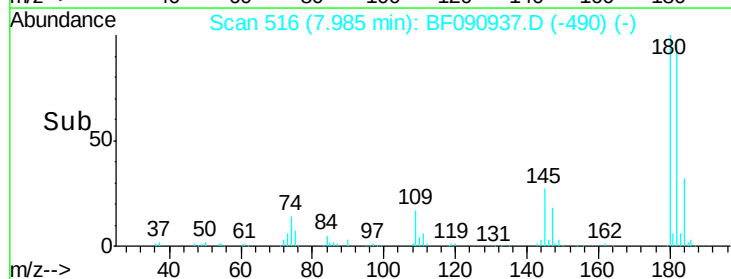
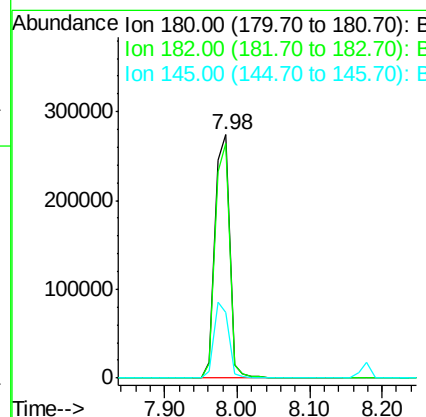
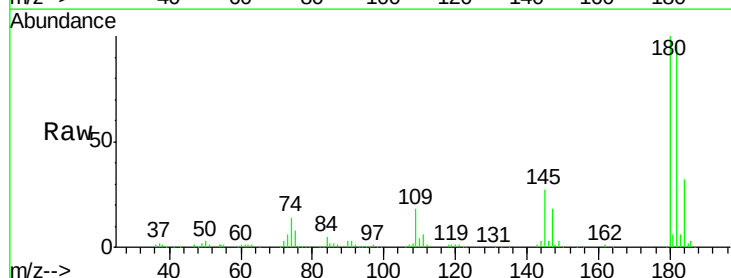
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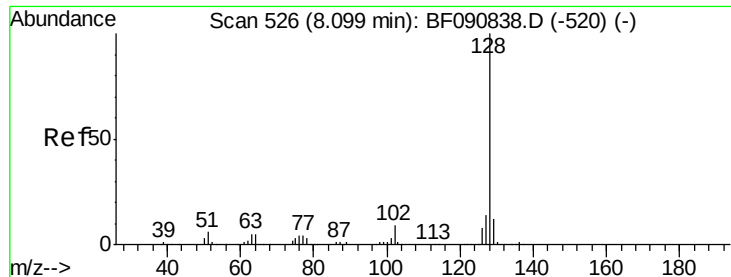
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#30
 1,2,4-Trichlorobenzene
 Concen: 47.93 ng
 RT: 7.98 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	387491		
182	96.4	77.1	115.7	
145	27.0	23.3	34.9	





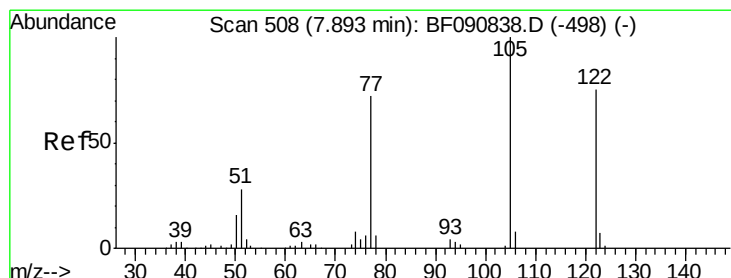
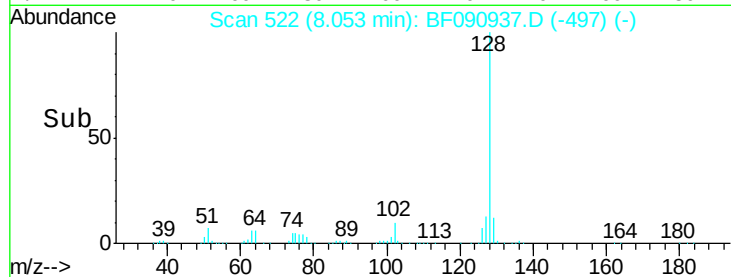
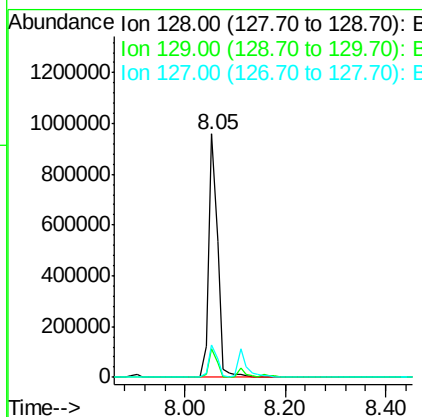
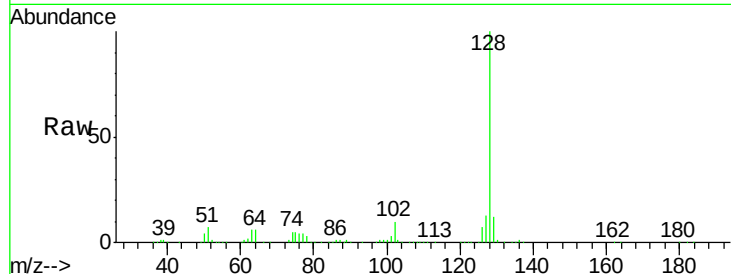
#31
Naphthalene
Concen: 46.85 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion:128 Resp: 1180790
Ion Ratio Lower Upper
128 100
129 11.6 8.4 12.6
127 13.4 9.9 14.9

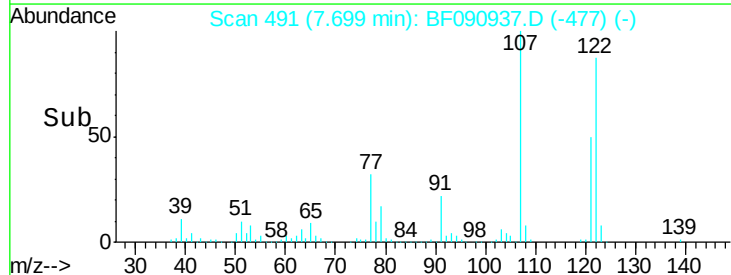
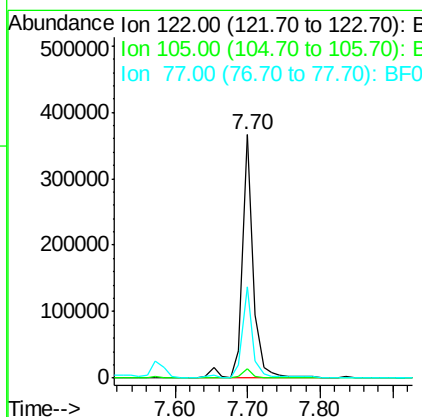
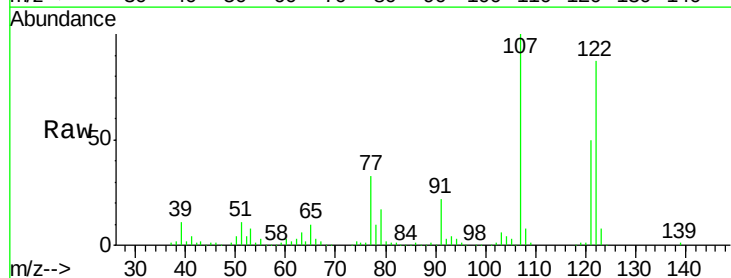
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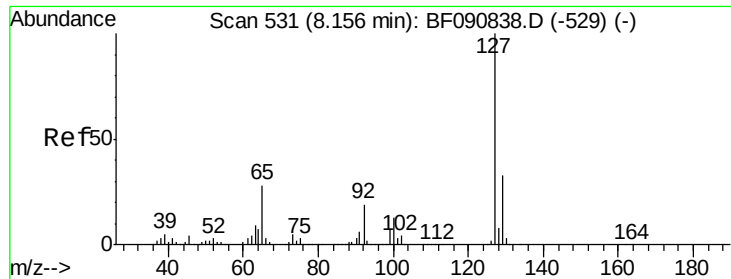
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#32
Benzoic acid
Concen: 70.90 ng
RT: 7.70 min Scan# 491
Delta R.T. -0.14 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion:122 Resp: 388927
Ion Ratio Lower Upper
122 100
105 3.7 76.1 116.1#
77 37.7 40.5 80.5#





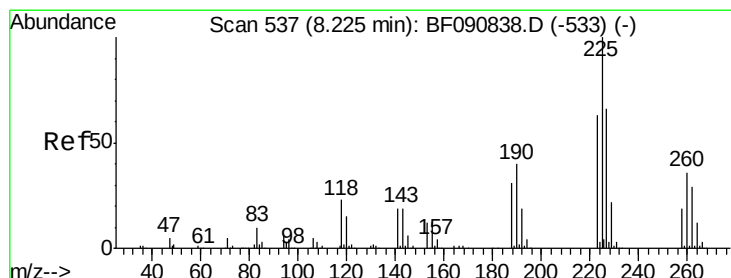
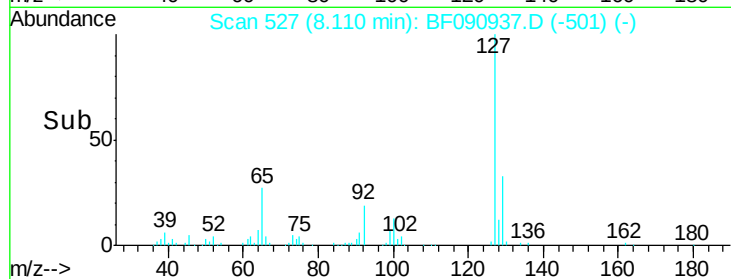
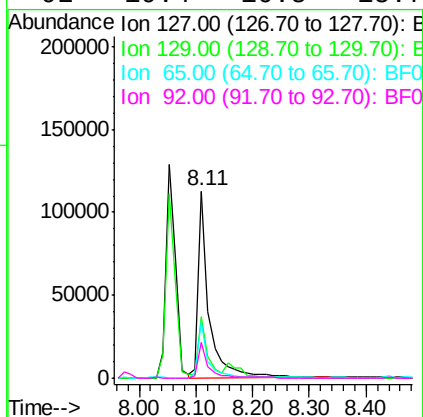
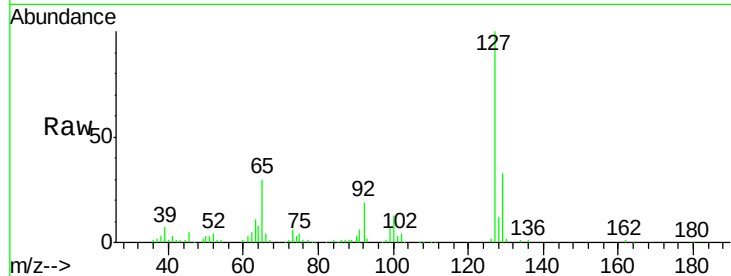
#33
4-Chloroaniline
Concen: 14.34 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	33.0	25.8	38.6
65	30.4	17.9	26.9
92	19.4	10.5	15.7

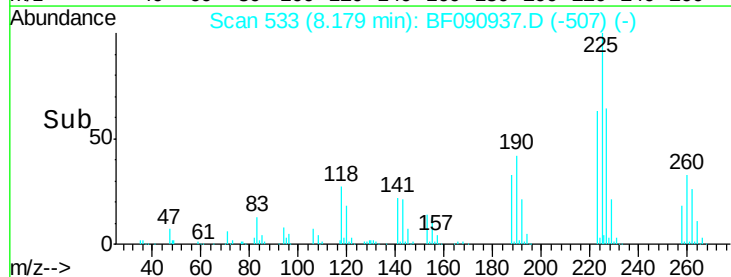
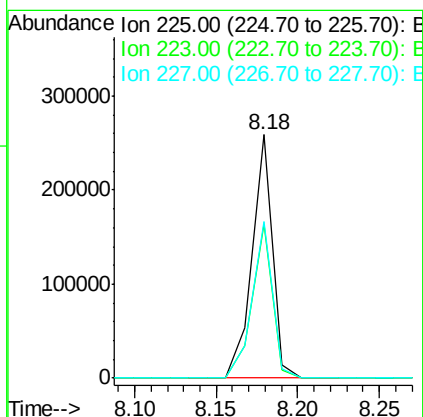
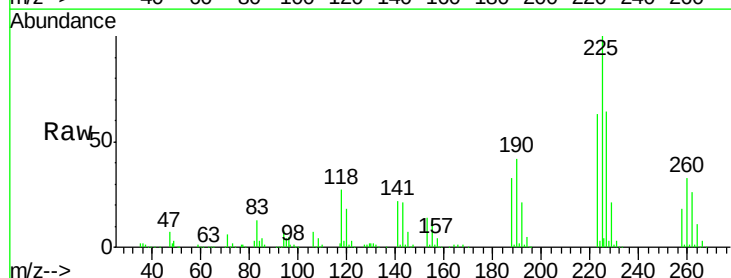
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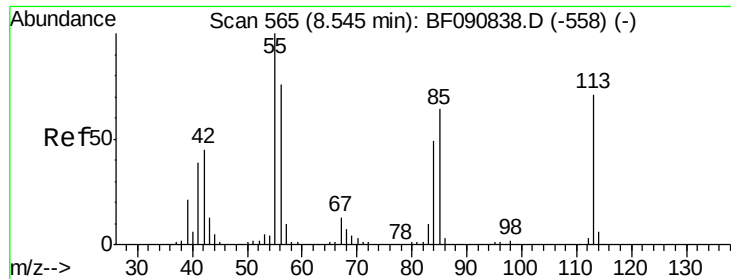
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#34
Hexachlorobutadiene
Concen: 47.26 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.1	50.2	75.2
227	64.3	52.2	78.2





#35

Caprolactam

Concen: 47.70 ng m

RT: 8.48 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

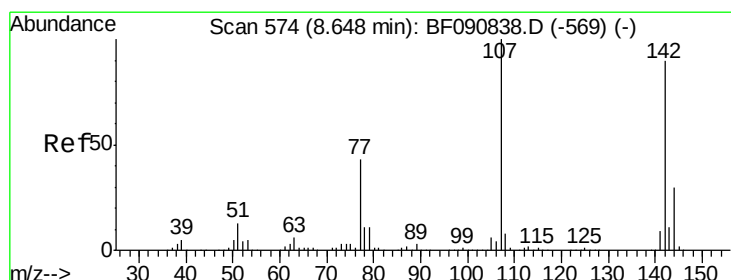
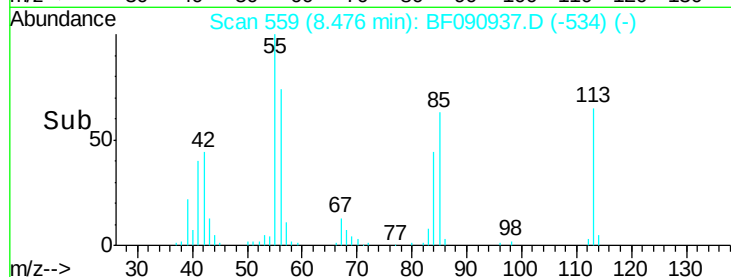
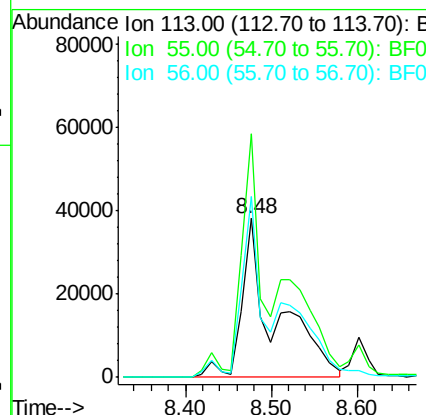
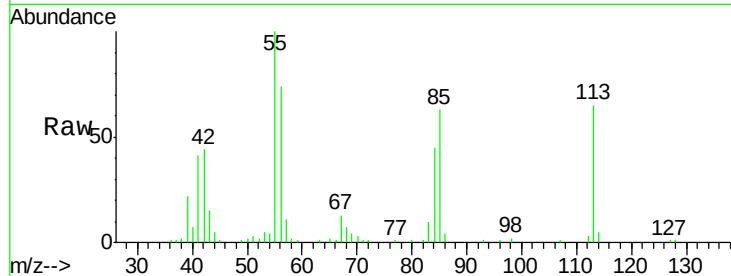
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion	Ratio	Lower	Upper
113	100		
55	153.2	152.4	192.4
56	113.7	104.6	144.6

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#36

4-Chloro-3-methylphenol

Concen: 50.44 ng

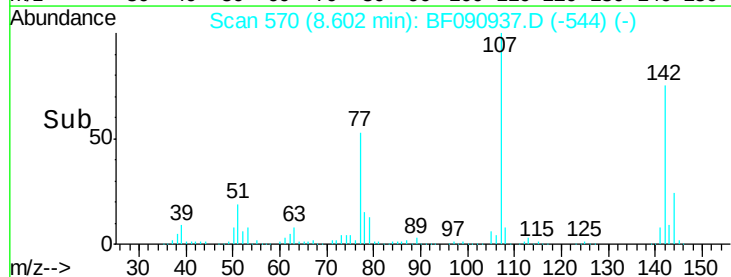
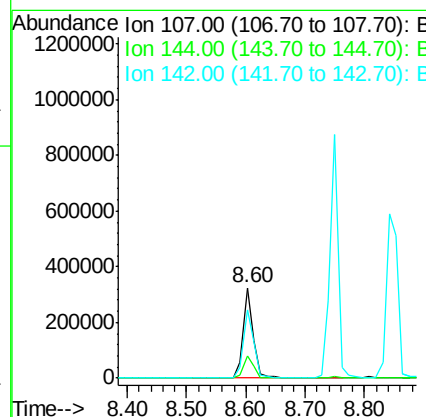
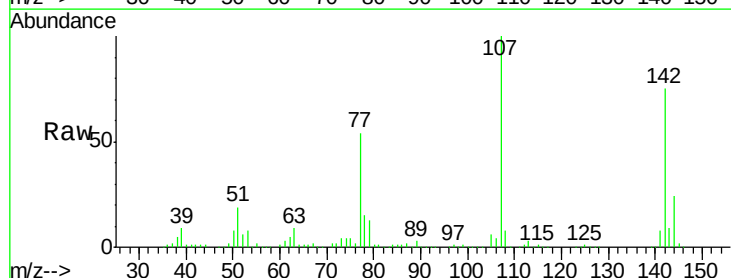
RT: 8.60 min Scan# 570

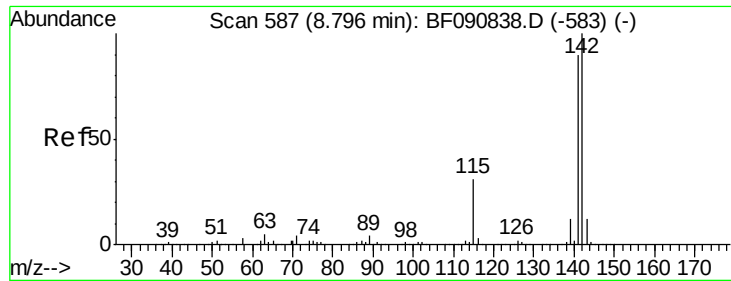
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.1	25.4	38.0#
142	75.0	77.3	115.9#





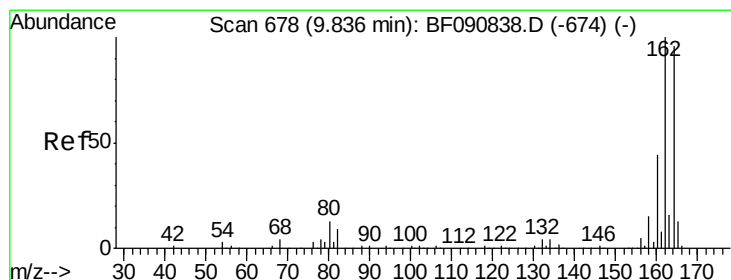
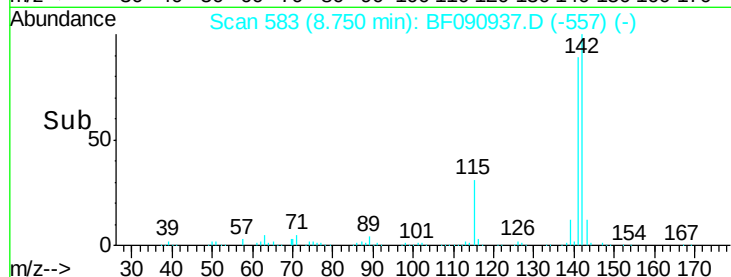
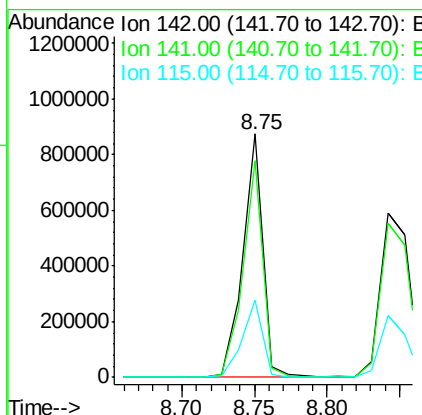
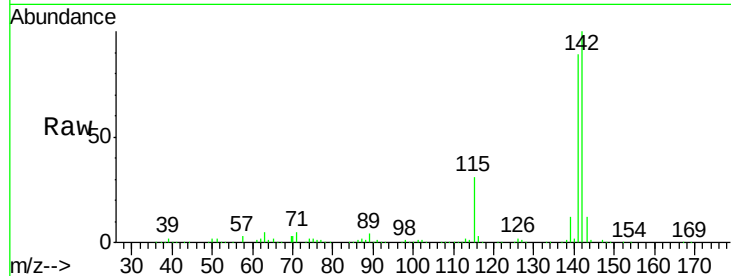
#37
 2-Methylnaphthalene
 Concen: 51.37 ng
 RT: 8.75 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	89.3	67.5	101.3
115	31.5	18.2	27.2

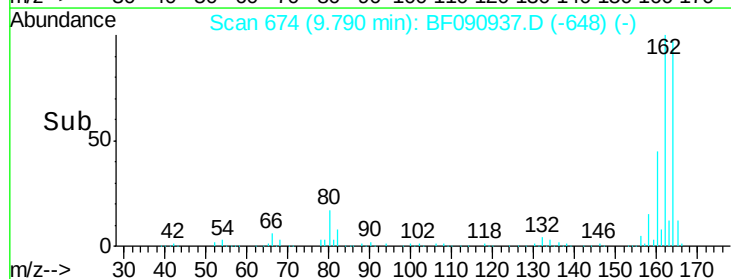
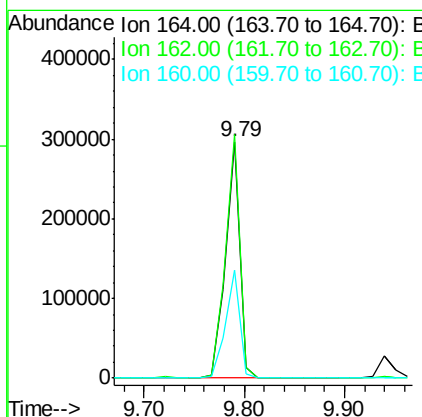
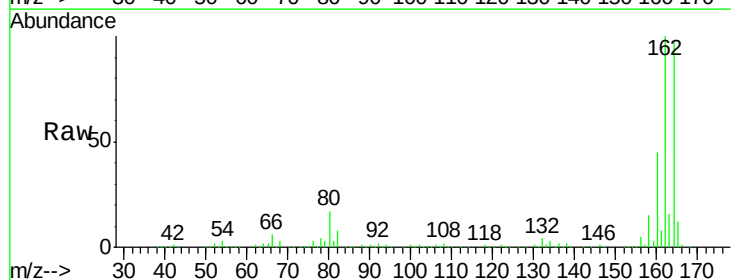
Manual Integrations
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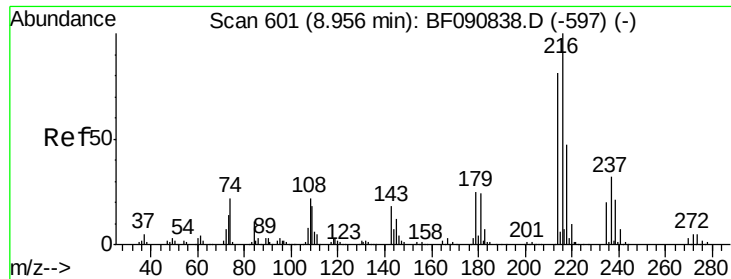
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	103.0	75.2	112.8
160	45.9	31.5	47.3





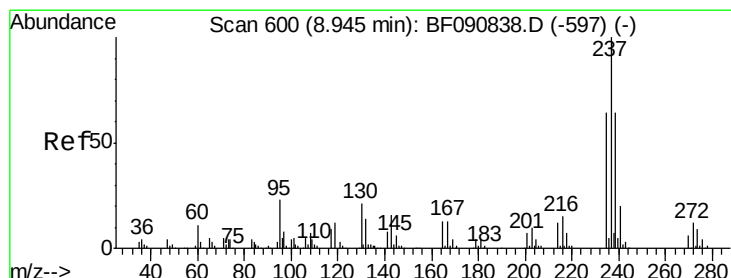
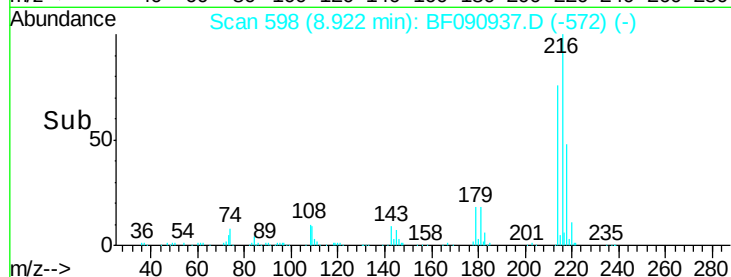
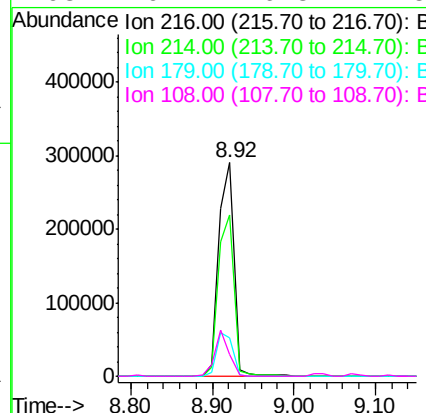
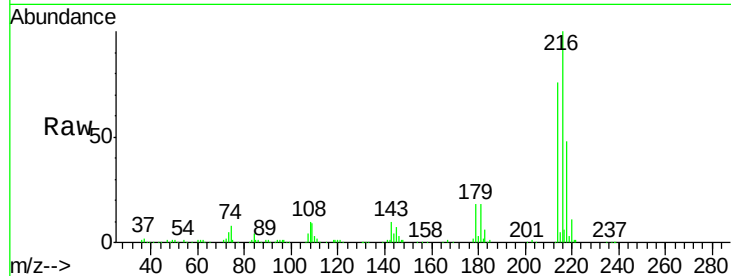
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.14 ng
 RT: 8.92 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Tgt Ion:	216	Resp:	380170
Ion Ratio	Lower	Upper	
216	100		
214	78.0	63.5	95.3
179	21.7	16.6	24.8
108	20.2	16.3	24.5

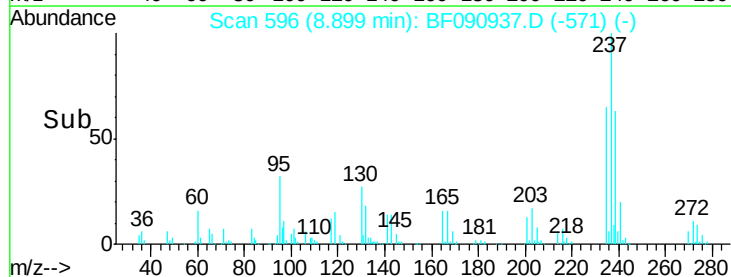
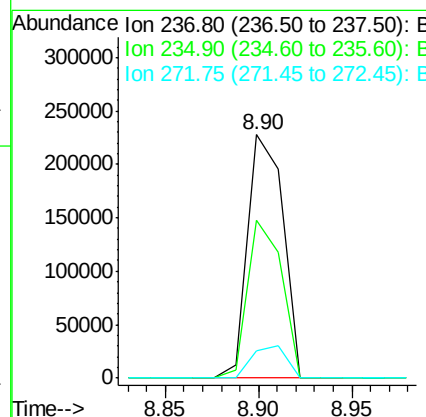
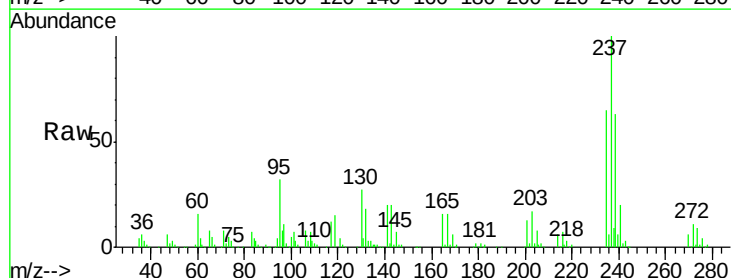
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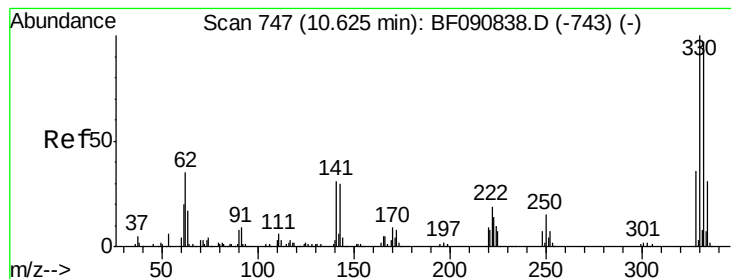
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#40
 Hexachlorocyclopentadiene
 Concen: 80.56 ng
 RT: 8.90 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion:	237	Resp:	298866
Ion Ratio	Lower	Upper	
237	100		
235	64.8	42.0	82.0
272	11.1	0.0	36.1





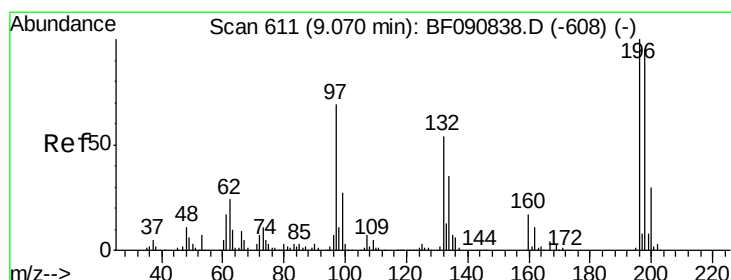
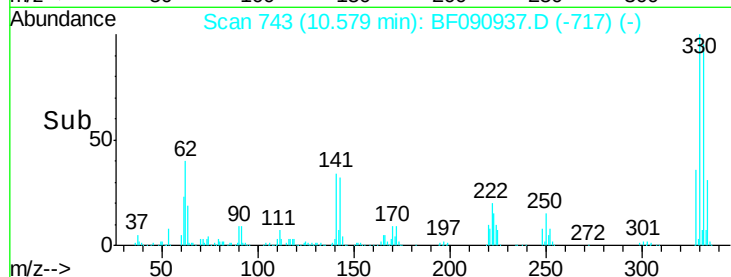
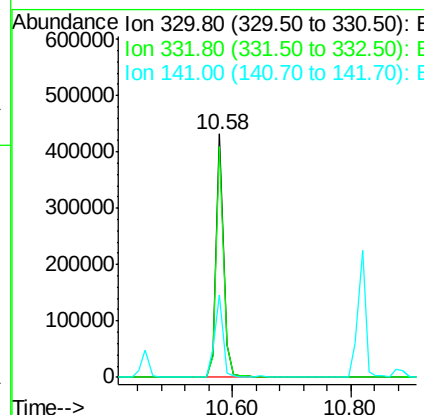
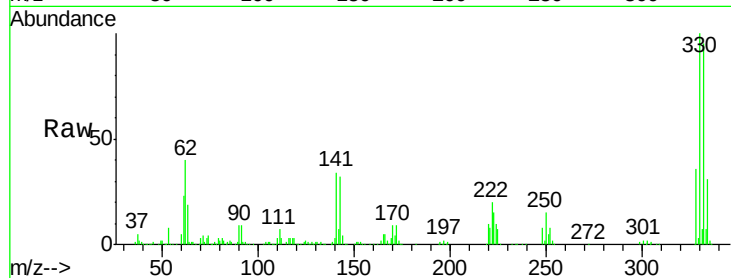
#41
 2,4,6-Tribromophenol
 Concen: 124.55 ng
 RT: 10.58 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	376235		
332	95.3	76.6	114.8	
141	37.8	29.7	44.5	

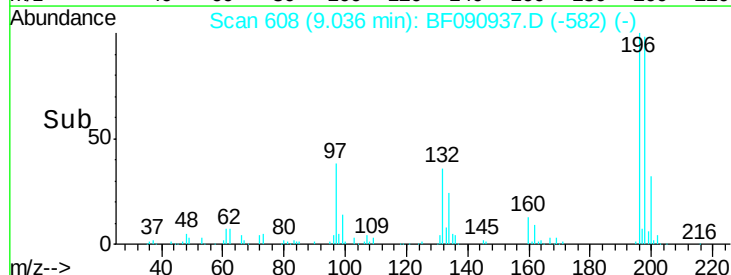
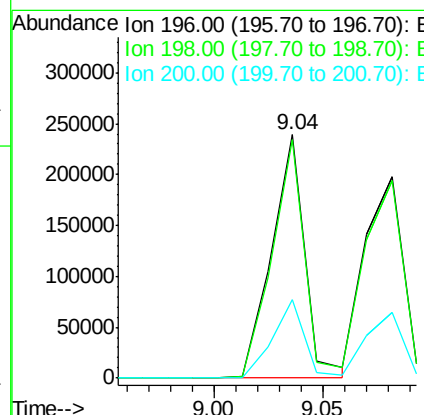
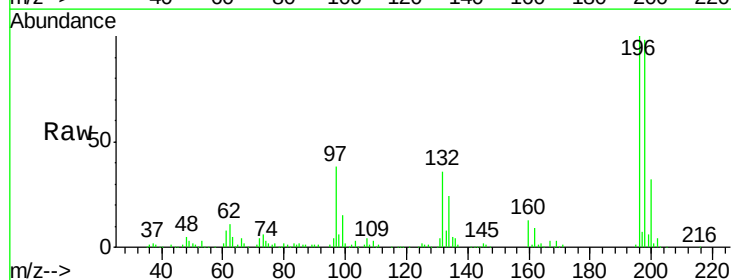
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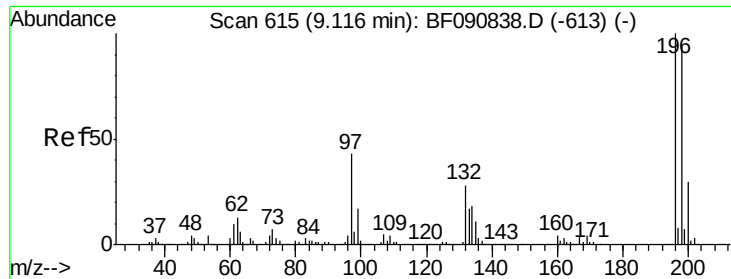
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#42
 2,4,6-Trichlorophenol
 Concen: 49.16 ng
 RT: 9.04 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	255945		
198	97.9	75.7	113.5	
200	32.2	23.9	35.9	





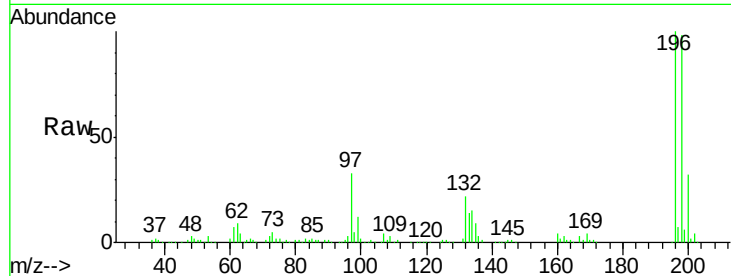
#43
2,4,5-Trichlorophenol
Concen: 46.34 ng m
RT: 9.08 min Scan# 612
Delta R.T. 0.01 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	248467		
198	98.1	75.4	113.0	
97	32.5	33.3	49.9	
132	22.5	24.6	37.0	

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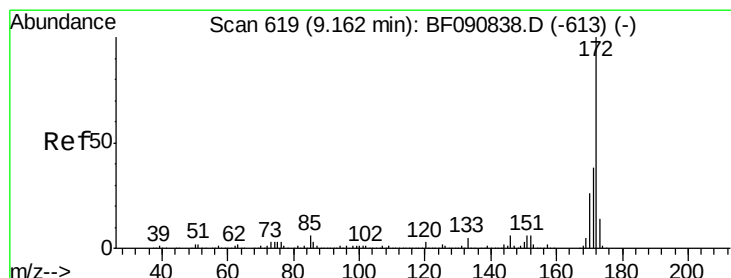
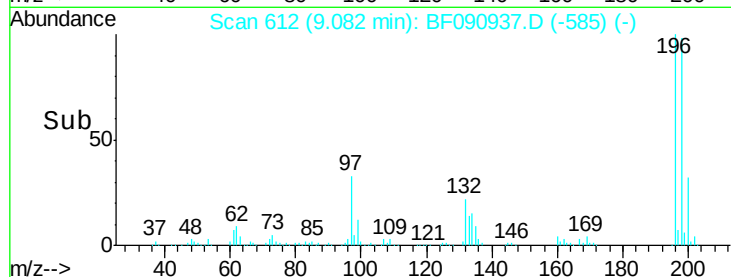
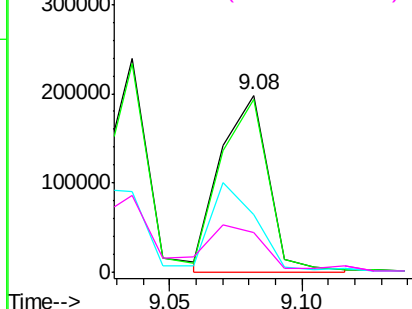
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

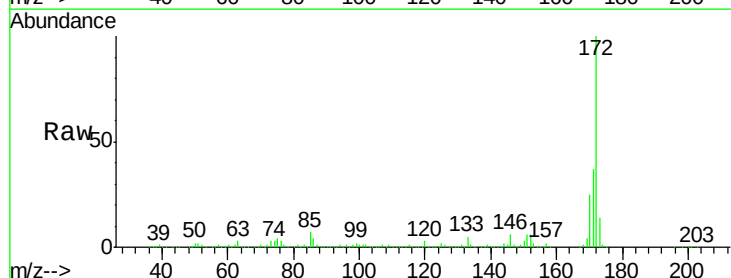
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
2-Fluorobiphenyl
Concen: 91.43 ng
RT: 9.12 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1530539		
171	36.7	26.1	39.1	
170	25.0	17.4	26.2	

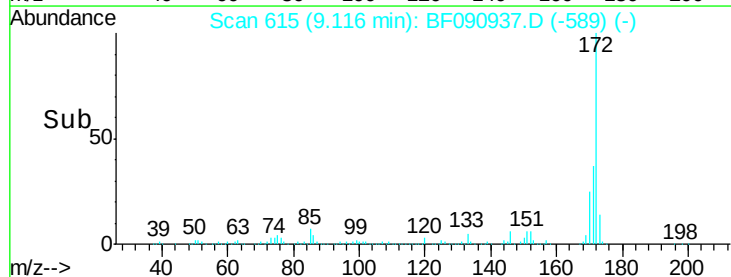
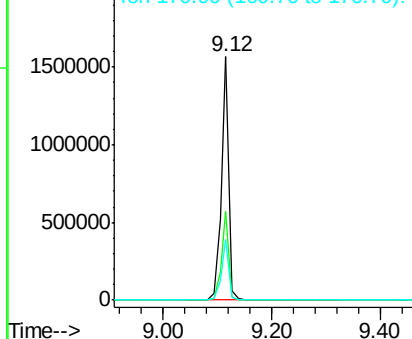


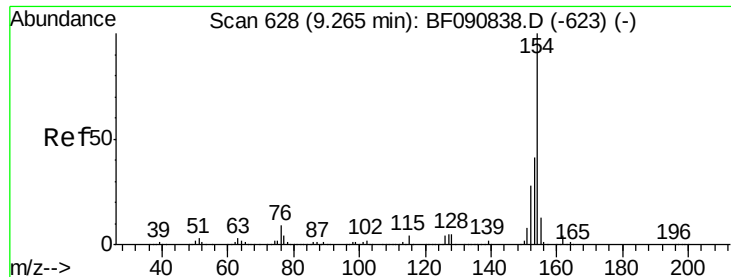
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





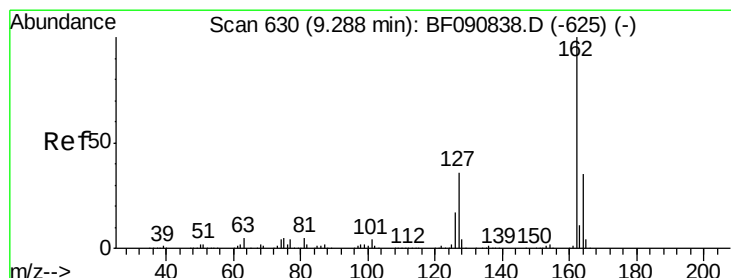
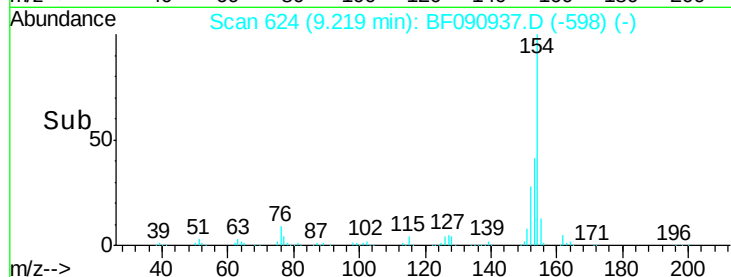
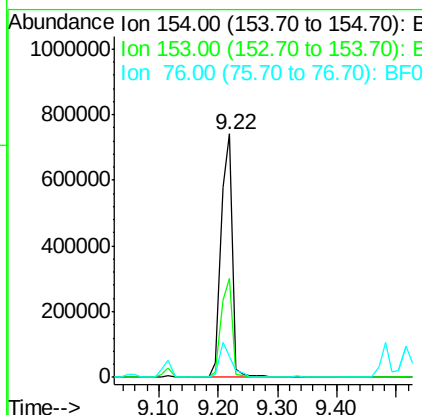
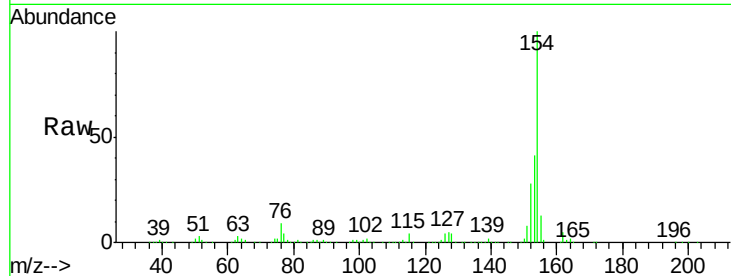
#45
1,1'-Biphenyl
Concen: 46.22 ng
RT: 9.22 min Scan# 624
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	978661		
153	40.9	17.1	57.1	
76	8.5	0.0	31.6	

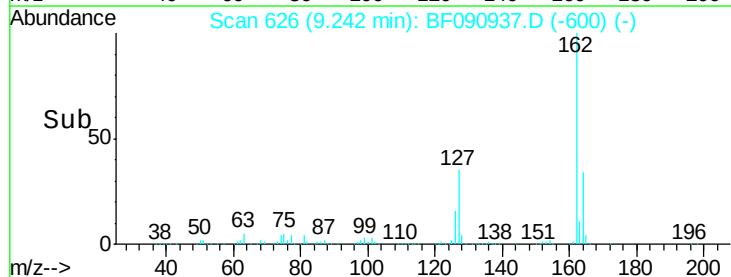
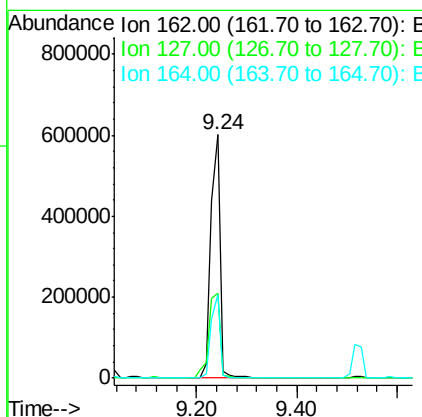
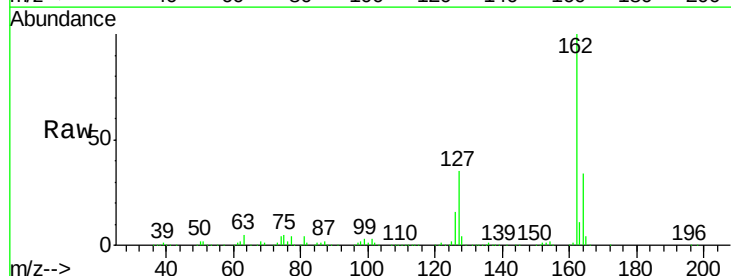
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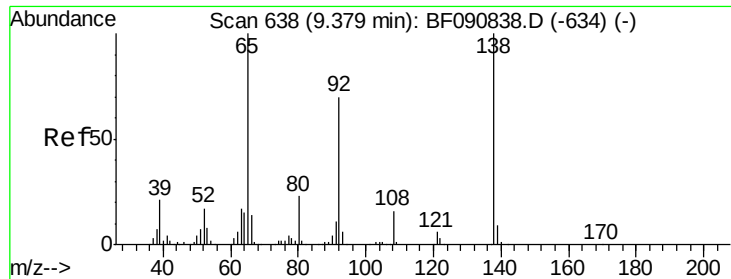
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#46
2-Chloronaphthalene
Concen: 47.98 ng
RT: 9.24 min Scan# 626
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	772719		
127	34.8	27.6	41.4	
164	34.1	25.4	38.2	





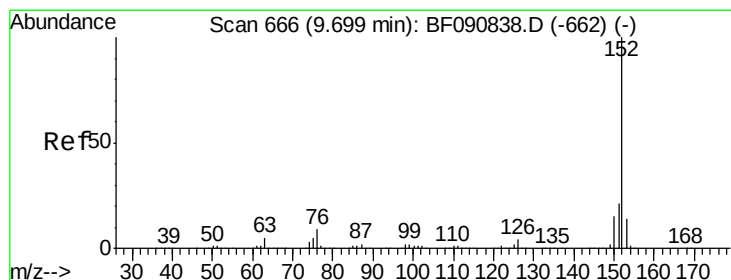
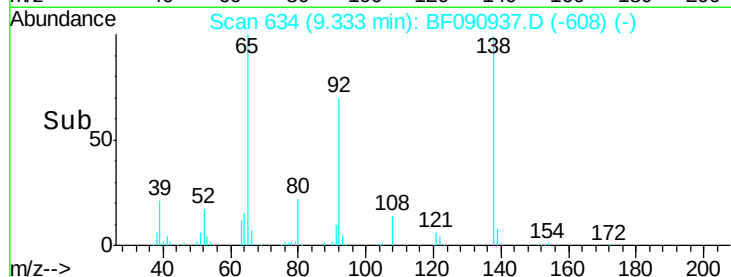
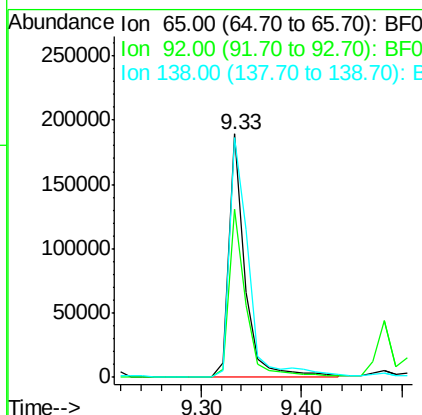
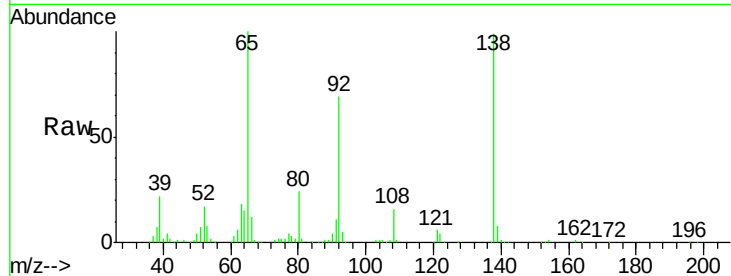
#47
2-Nitroaniline
Concen: 46.45 ng
RT: 9.33 min Scan# 634
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
65	100		
92	69.3	55.4	83.0
138	98.5	115.5	173.3#

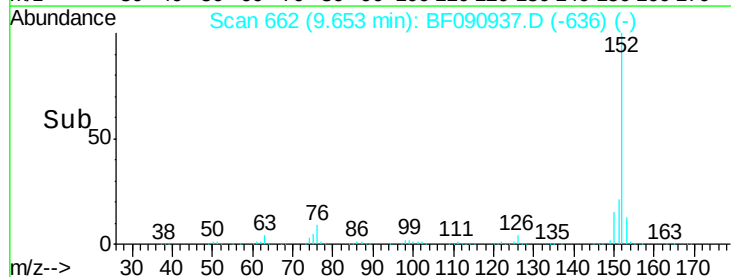
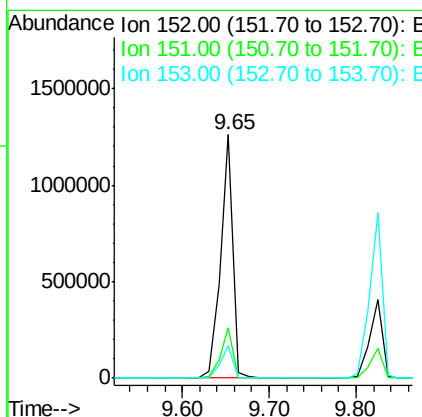
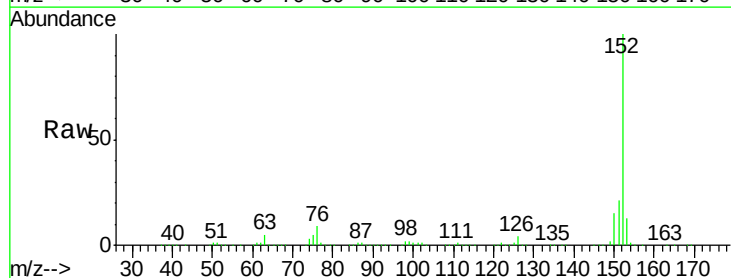
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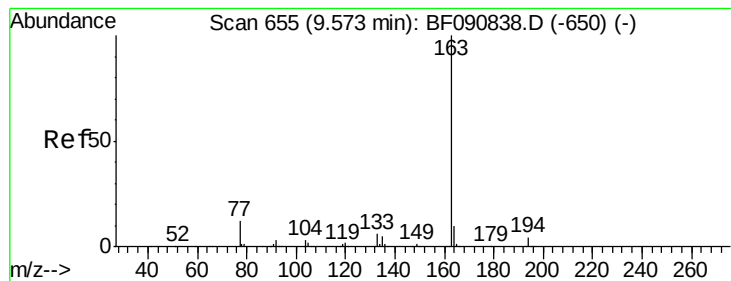
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#48
Acenaphthylene
Concen: 51.42 ng
RT: 9.65 min Scan# 662
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	20.8	14.6	22.0
153	13.4	10.3	15.5





#49

Dimethylphthalate

Concen: 59.69 ng

RT: 9.53 min Scan# 651

Delta R.T. 0.01 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:163 Resp: 1172288

Ion Ratio Lower Upper

163 100

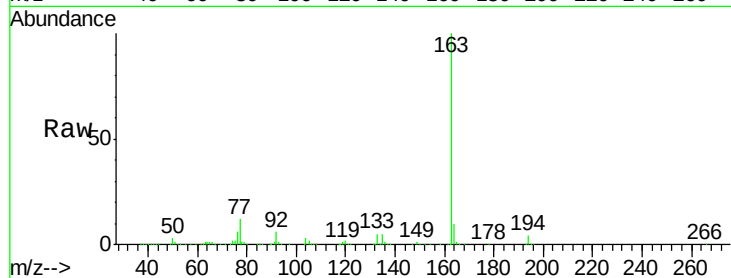
194 4.3 4.4 6.6#

164 9.8 8.3 12.5

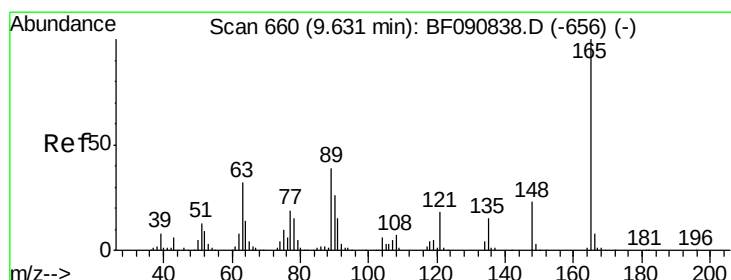
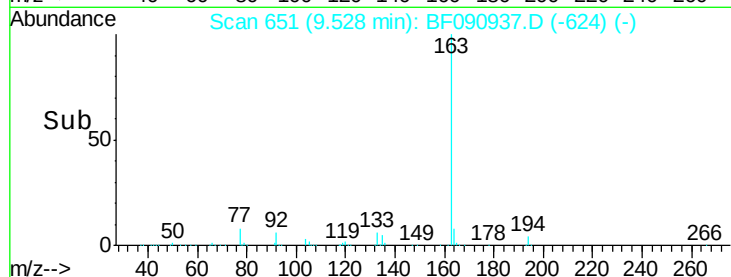
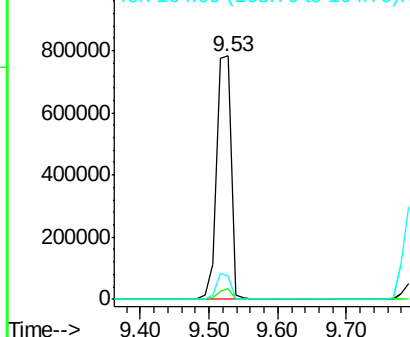
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 52.19 ng

RT: 9.58 min Scan# 656

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

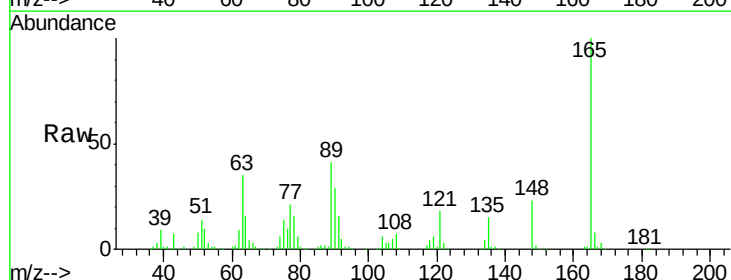
Tgt Ion:165 Resp: 226368

Ion Ratio Lower Upper

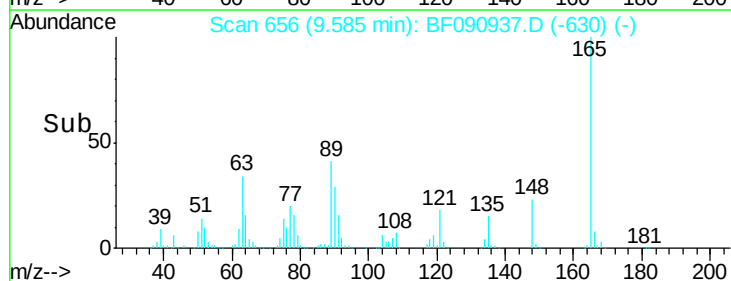
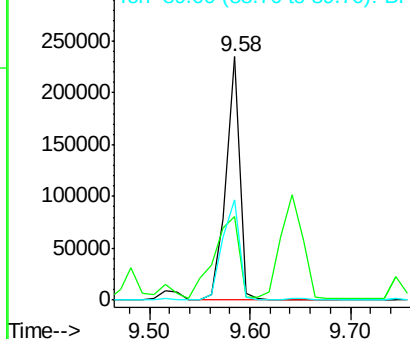
165 100

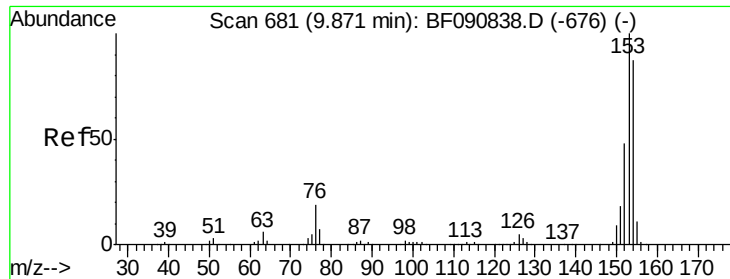
63 34.5 32.3 48.5

89 41.0 28.6 43.0



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: 44.21 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

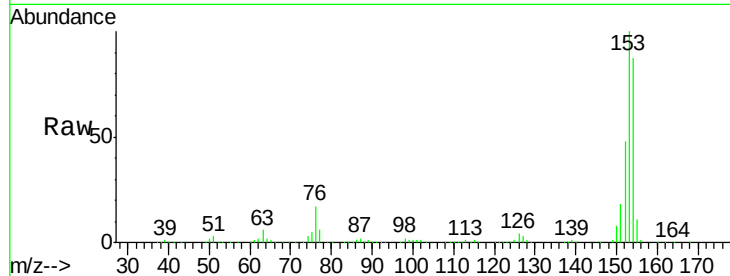
ClientSampleId :

SB-4(12-14)MSD

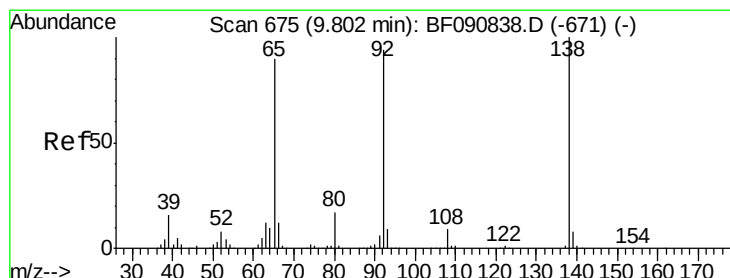
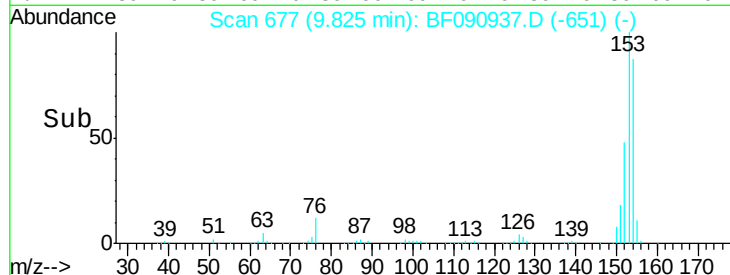
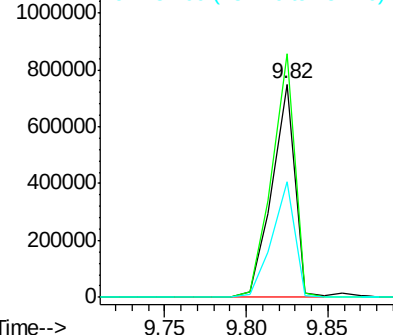
Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.3	82.1	123.1
152	54.5	37.9	56.9

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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: 27.34 ng

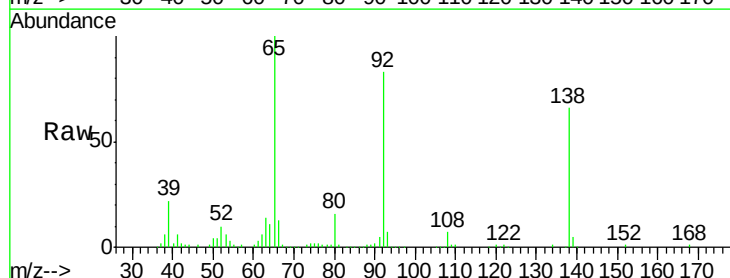
RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

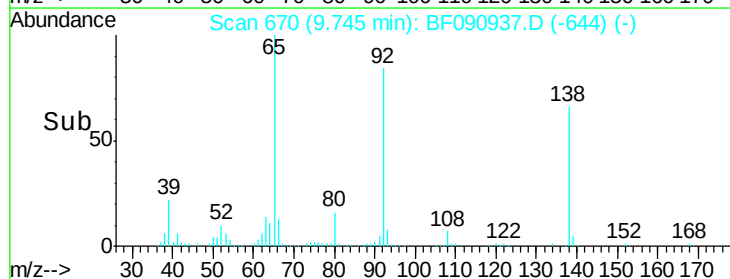
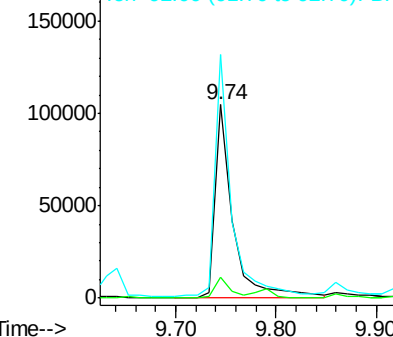
Lab File: BF090937.D

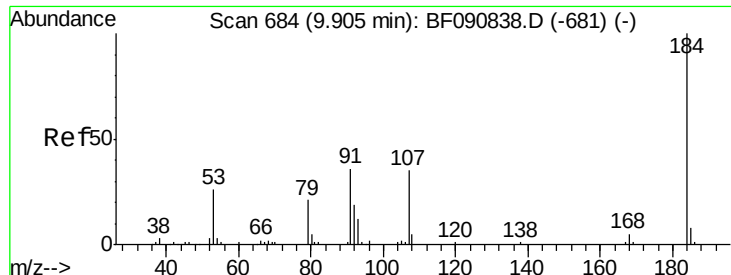
Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.5	5.7	8.5#
92	125.8	67.7	101.5#



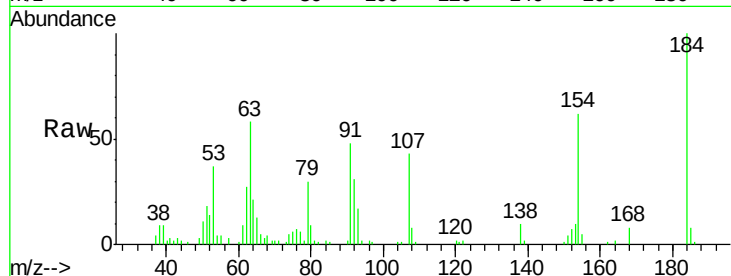
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





#53
2,4-Dinitrophenol
Concen: 16.47 ng
RT: 9.86 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

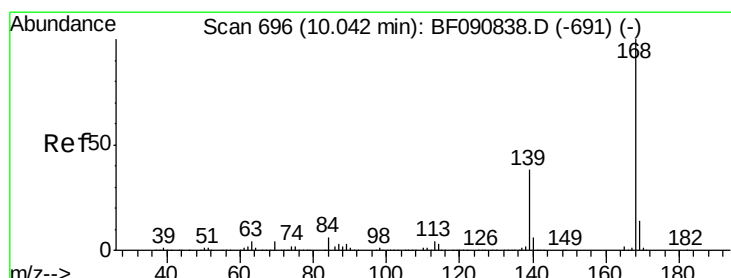
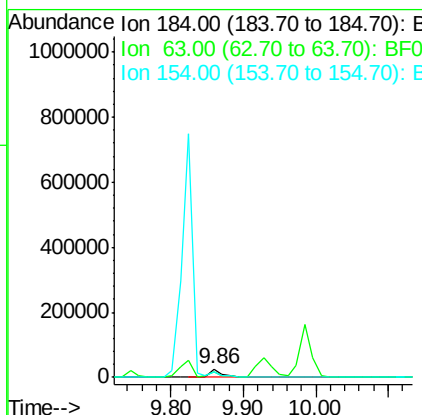
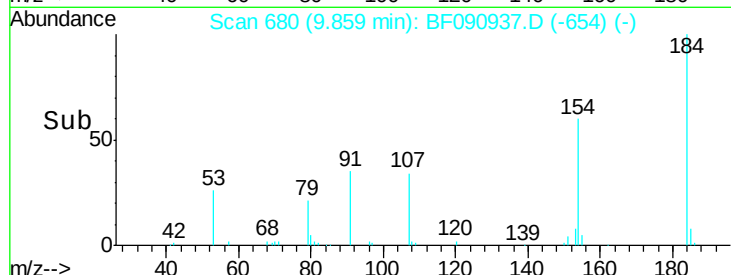
Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD



Tgt Ion:184 Resp: 37602
Ion Ratio Lower Upper
184 100
63 58.2 35.4 53.2#
154 61.8 32.2 48.4#

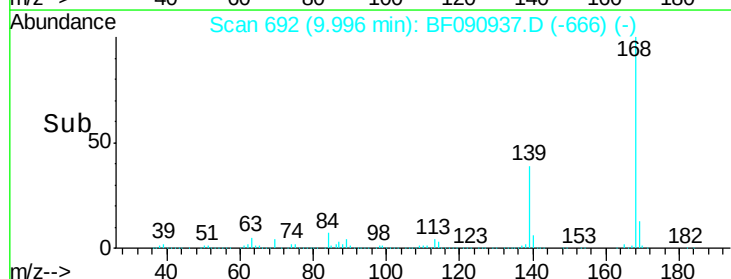
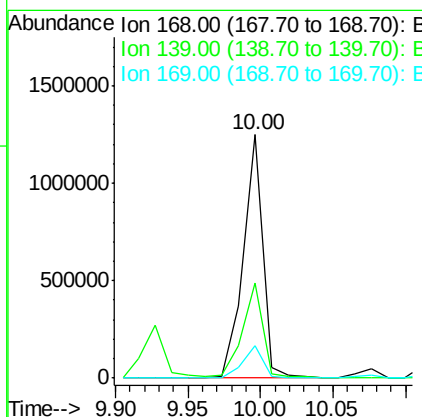
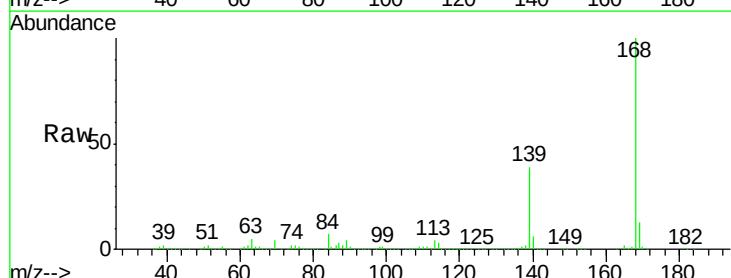
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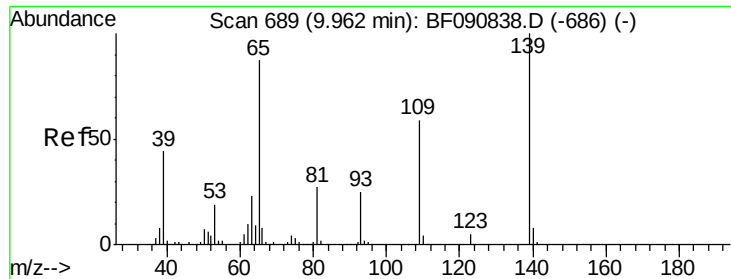
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#54
Dibenzofuran
Concen: 54.18 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion:168 Resp: 1174418
Ion Ratio Lower Upper
168 100
139 39.3 24.2 36.2#
169 13.5 10.6 15.8





#55

4-Nitrophenol

Concen: 104.52 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

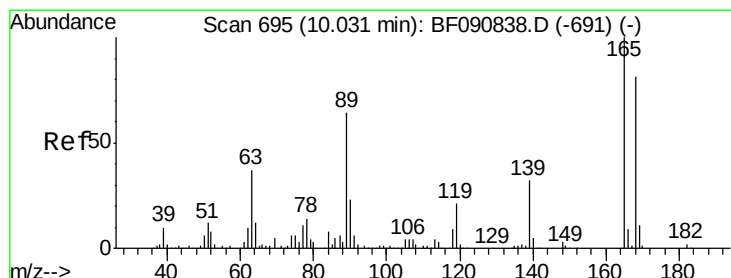
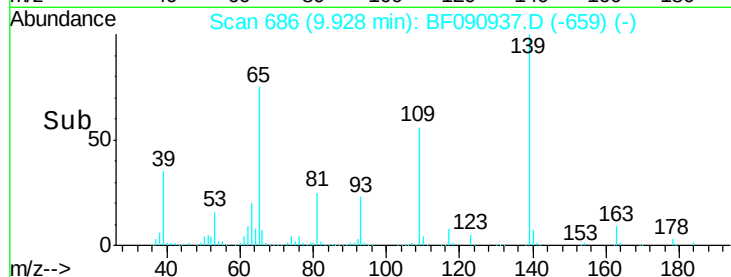
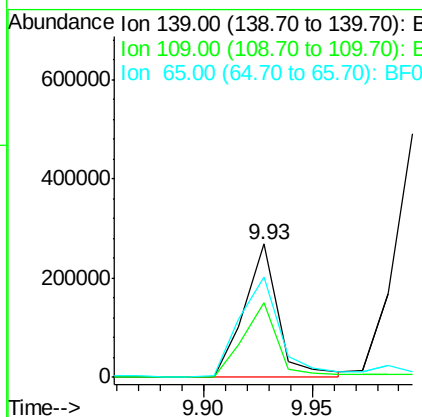
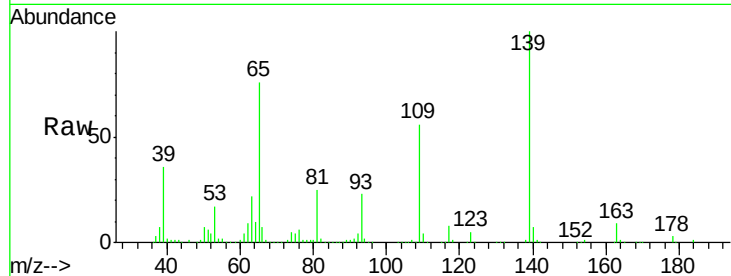
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:	139	Resp:	294312
Ion Ratio	Lower	Upper	
139	100		
109	56.0	12.7	52.7#
65	75.6	45.9	85.9

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#56

2,4-Dinitrotoluene

Concen: 53.01 ng

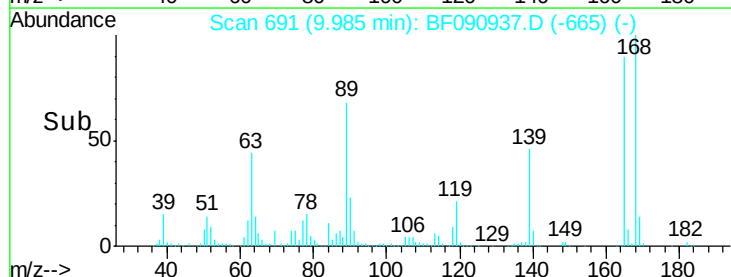
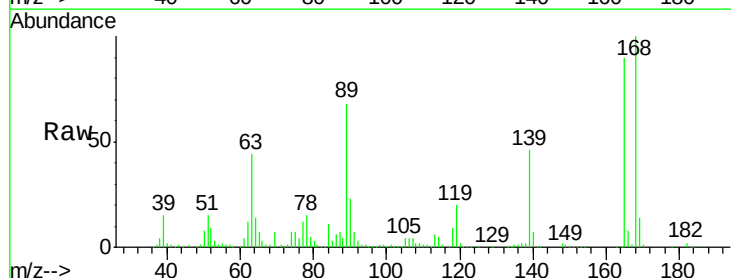
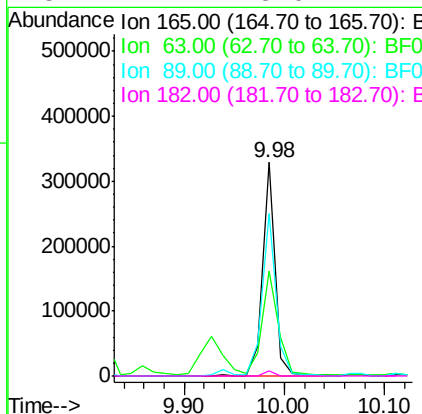
RT: 9.98 min Scan# 691

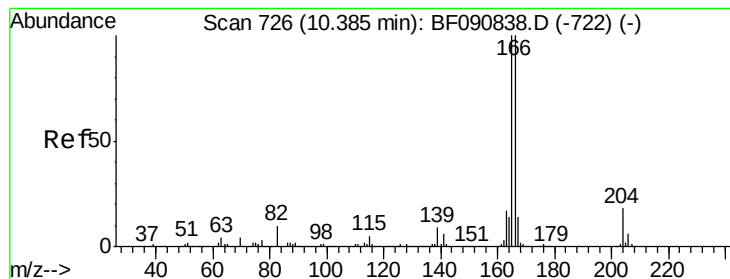
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion:	165	Resp:	285613
Ion Ratio	Lower	Upper	
165	100		
63	49.4	29.8	44.6#
89	75.8	44.5	66.7#
182	2.4	3.0	4.4#





#57

Fluorene

Concen: 53.27 ng

RT: 10.34 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

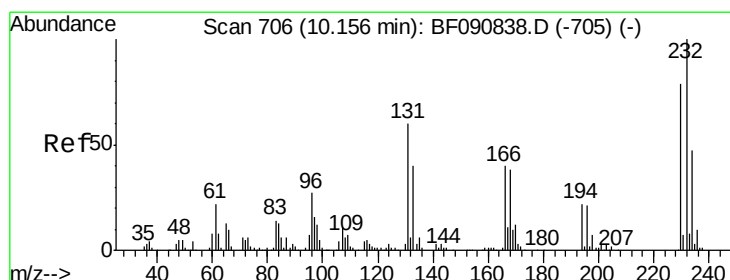
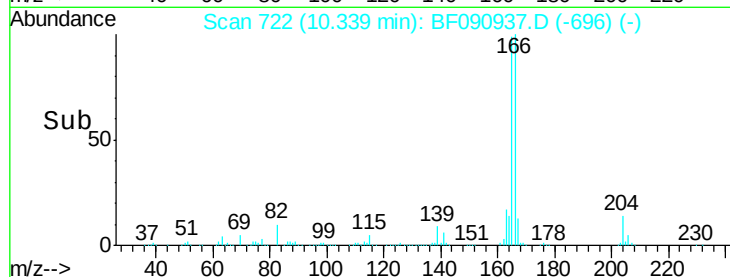
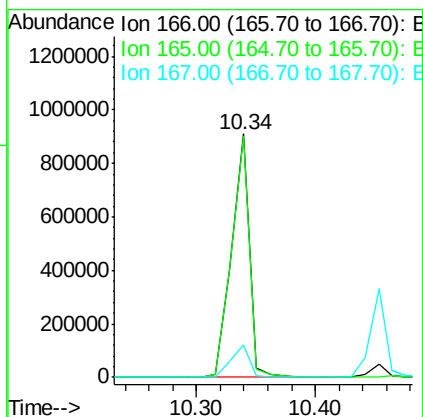
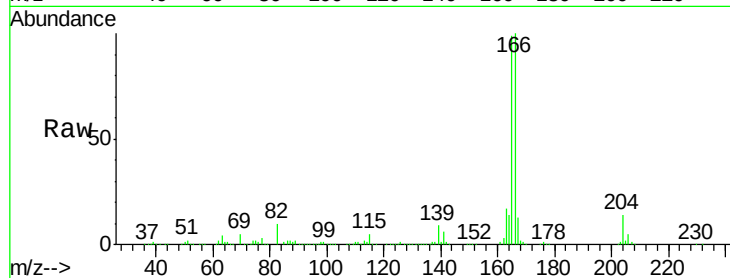
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:	166	Resp:	945815
Ion Ratio	Lower	Upper	
166	100		
165	99.1	72.6	109.0
167	13.4	10.6	16.0

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#58

2,3,4,6-Tetrachlorophenol

Concen: 42.86 ng

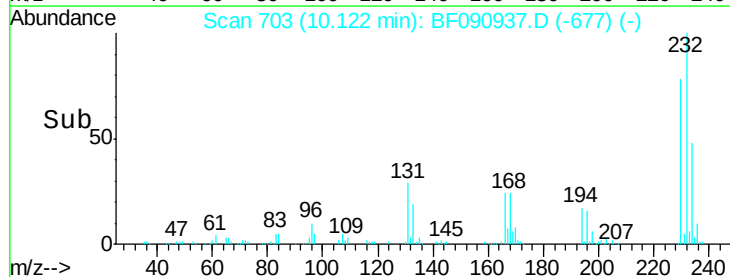
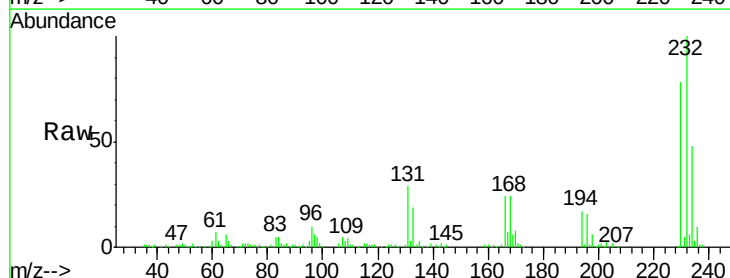
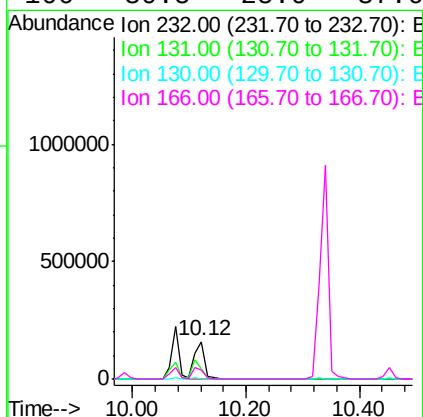
RT: 10.12 min Scan# 703

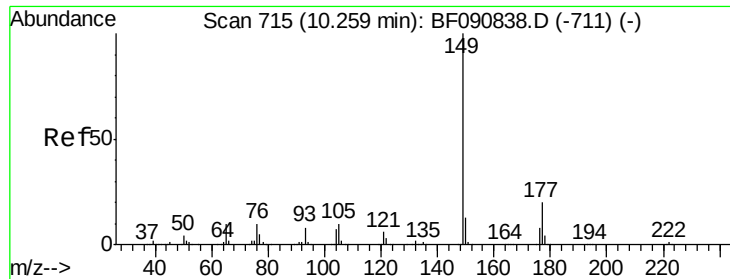
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion:	232	Resp:	205240
Ion Ratio	Lower	Upper	
232	100		
131	46.0	38.5	57.7
130	2.0	1.8	2.6
166	30.5	25.0	37.6





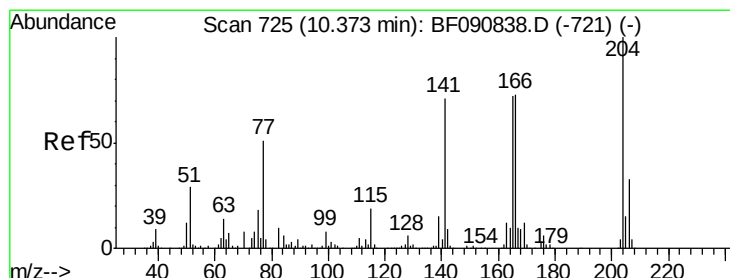
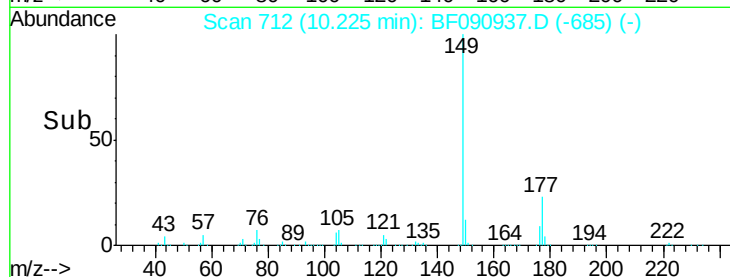
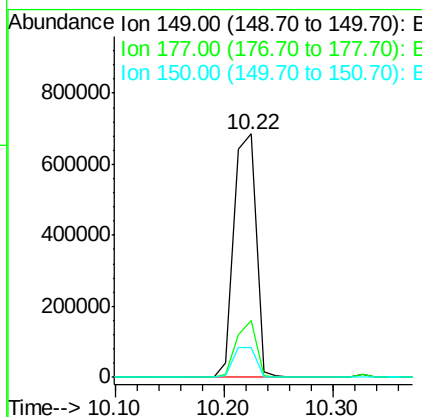
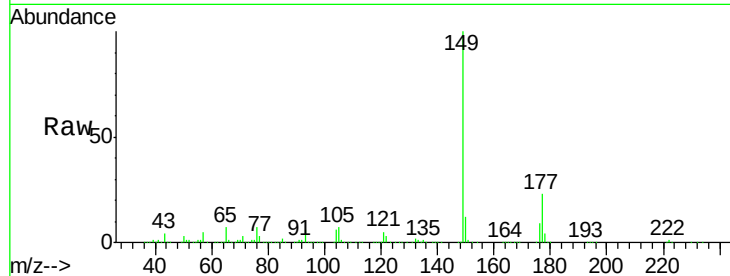
#59
Diethylphthalate
Concen: 49.12 ng
RT: 10.22 min Scan# 712
Delta R.T. 0.01 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	958123		
177	23.3	17.5	26.3	
150	12.1	9.4	14.2	

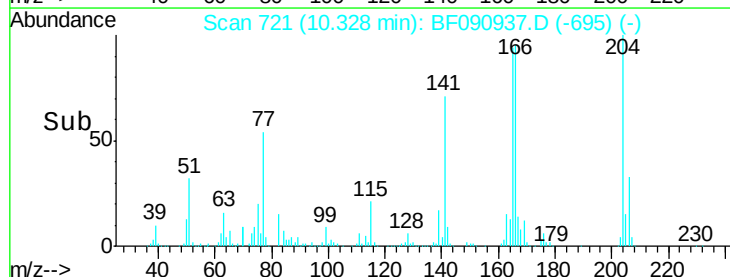
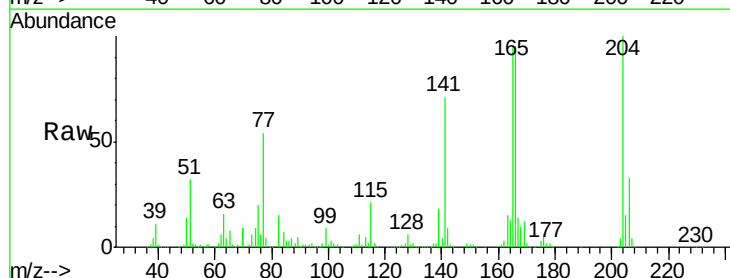
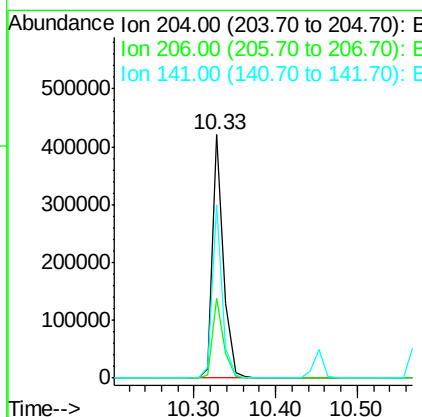
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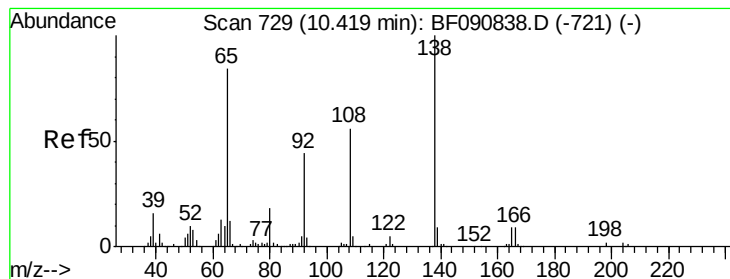
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#60
4-Chlorophenyl-phenylether
Concen: 46.24 ng
RT: 10.33 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	400742		
206	32.6	24.8	37.2	
141	71.0	42.2	63.4	





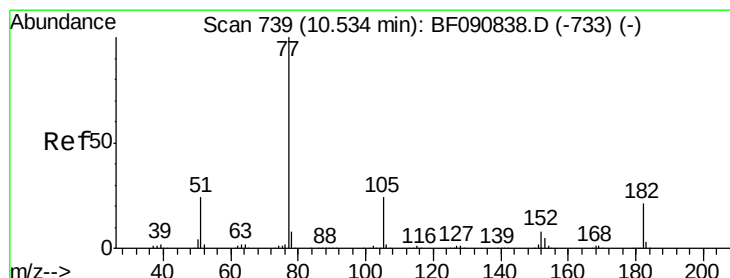
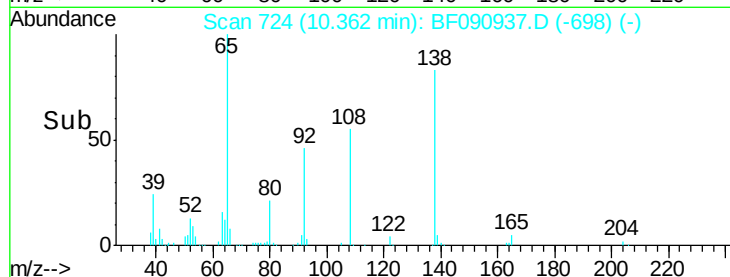
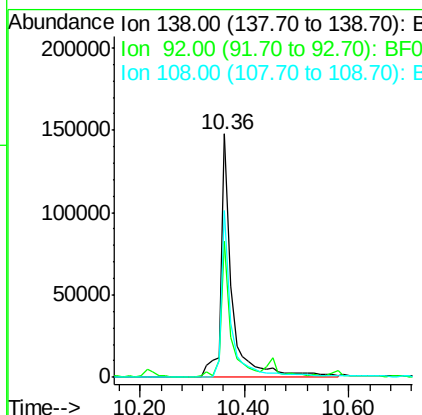
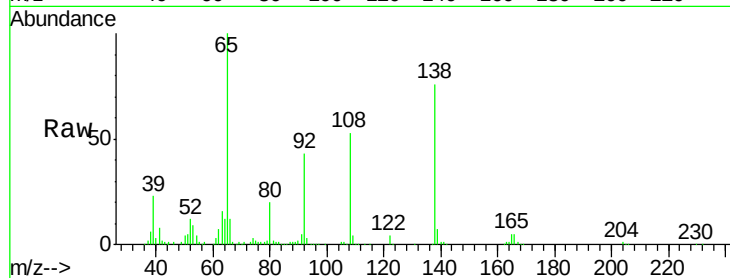
#61
4-Nitroaniline
Concen: 47.37 ng
RT: 10.36 min Scan# 724
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion	Ratio	Lower	Upper
138	100		
92	56.0	12.6	52.6#
108	68.8	12.4	52.4#

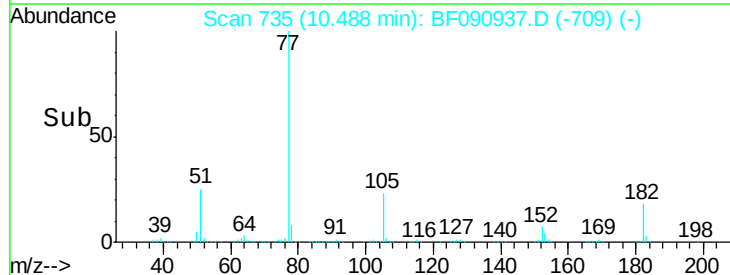
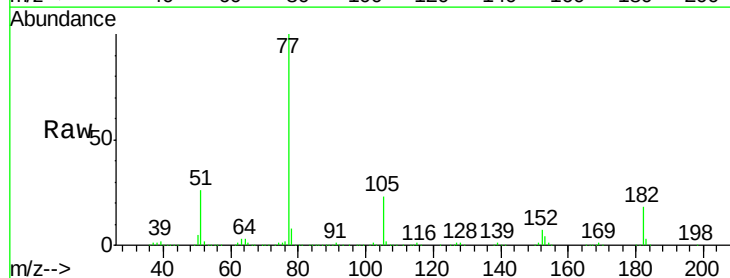
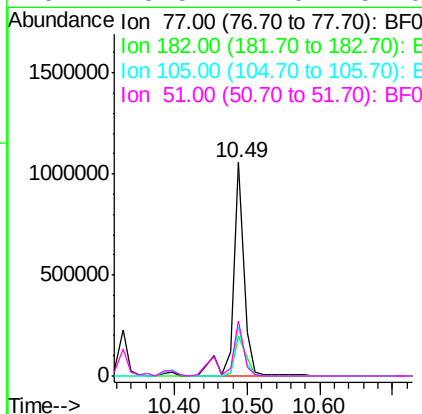
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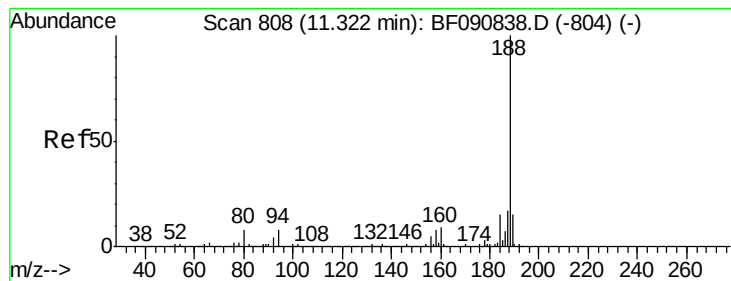
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#62
Azobenzene
Concen: 56.65 ng
RT: 10.49 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Lower	Upper
77	100		
182	18.4	15.1	55.1
105	22.7	3.4	43.4
51	25.5	12.0	52.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

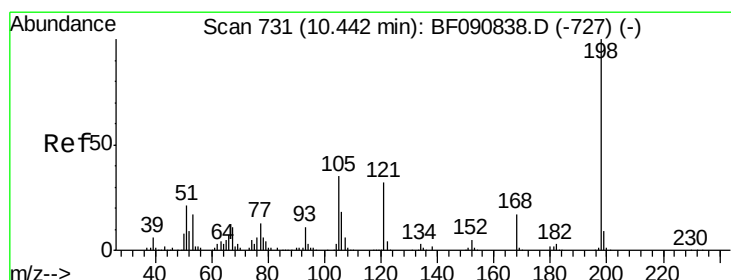
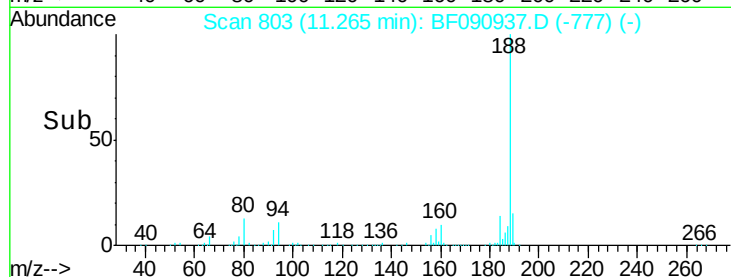
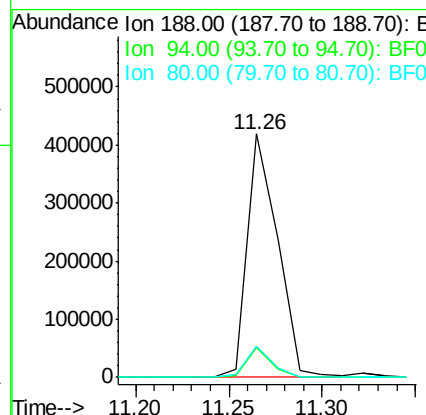
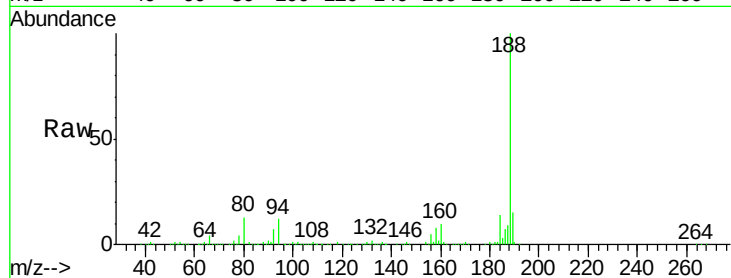
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:	188	Resp:	472775
Ion Ratio	Lower	Upper	
188	100		
94	12.1	11.1	16.7
80	13.0	11.0	16.4

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#64

4,6-Dinitro-2-methylphenol

Concen: 27.31 ng

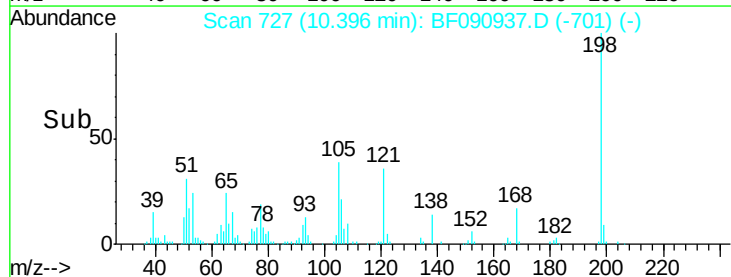
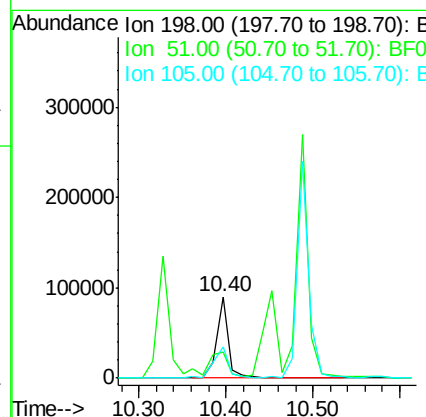
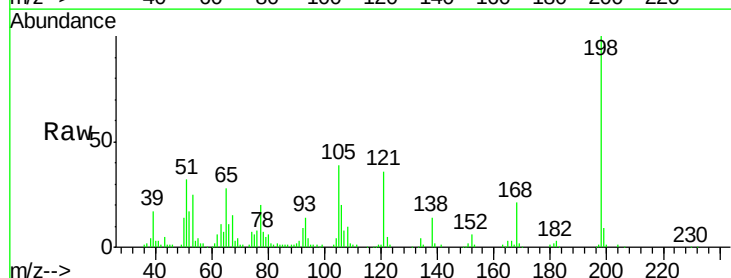
RT: 10.40 min Scan# 727

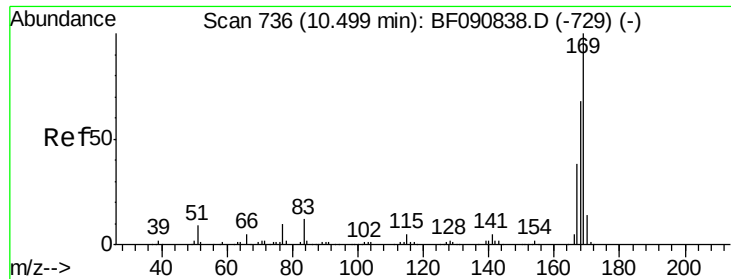
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion:	198	Resp:	85603
Ion Ratio	Lower	Upper	
198	100		
51	31.8	39.6	79.6#
105	38.7	28.5	68.5





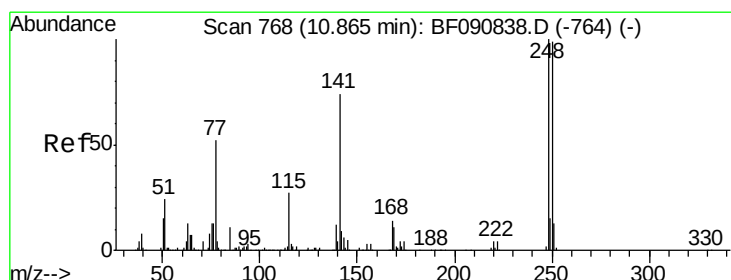
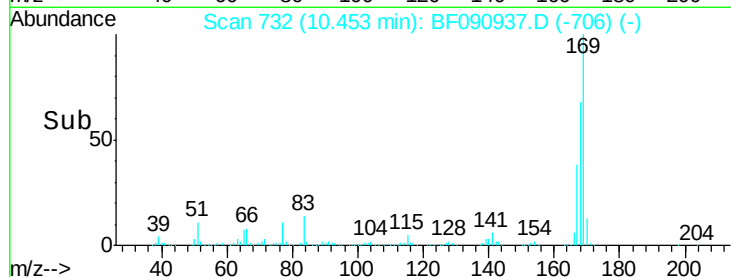
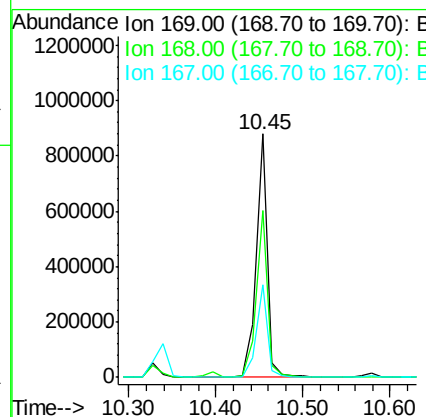
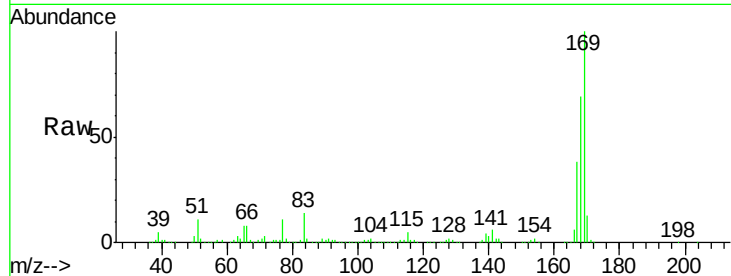
#65
 n-Nitrosodiphenylamine
 Concen: 55.30 ng
 RT: 10.45 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	800862		
168	68.5	48.9	73.3	
167	37.9	26.2	39.4	

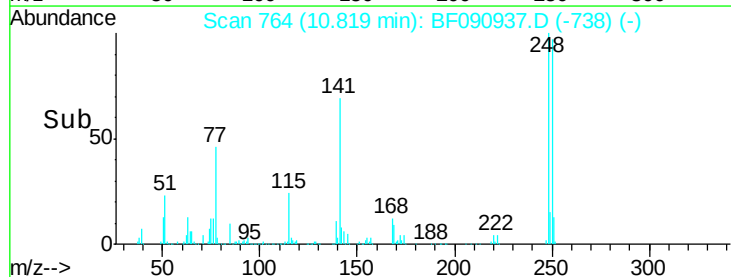
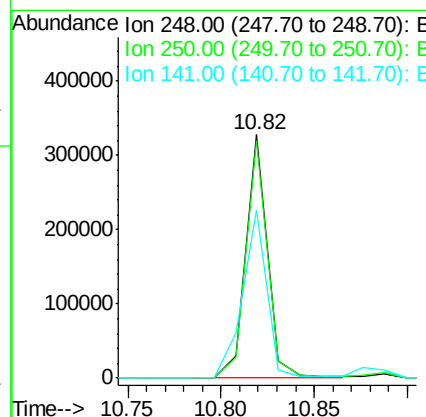
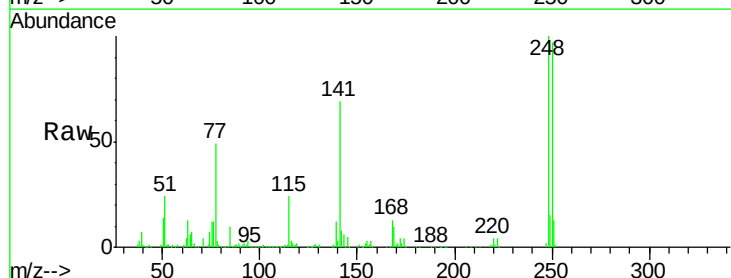
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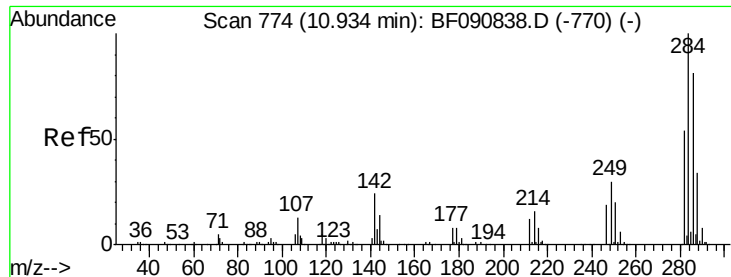
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#66
 4-Bromophenyl-phenylether
 Concen: 51.52 ng
 RT: 10.82 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	266727		
250	97.3	78.5	117.7	
141	69.0	59.0	88.6	





#67

Hexachlorobenzene

Concen: 49.91 ng

RT: 10.89 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

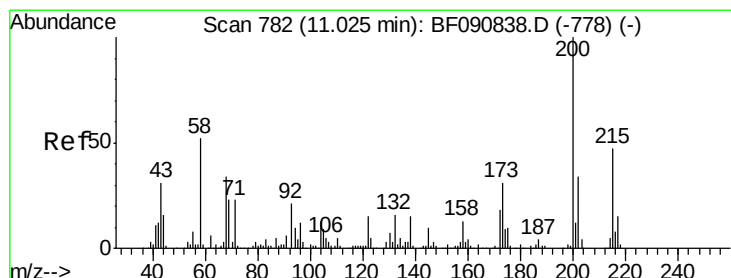
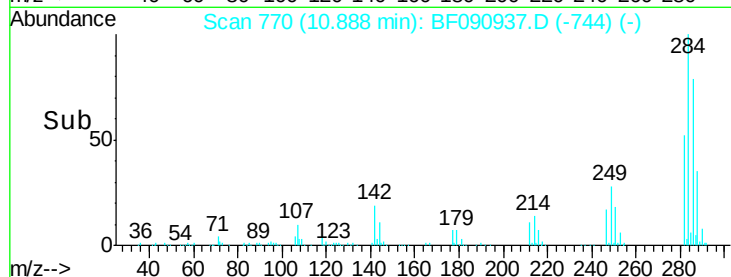
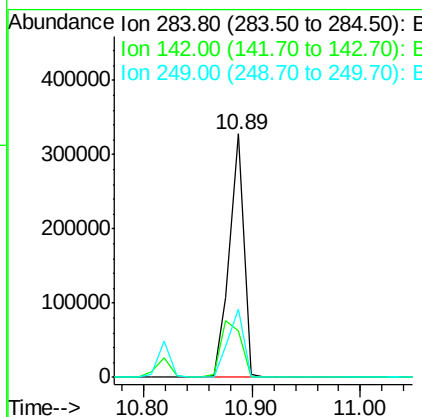
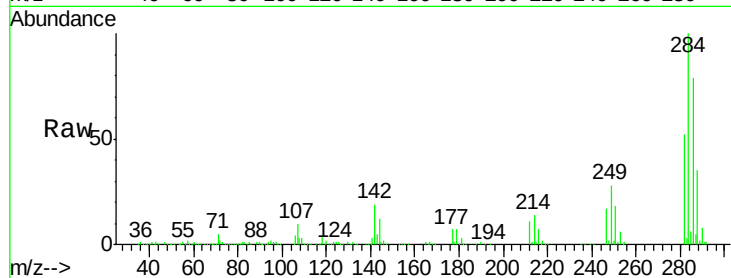
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	19.1	29.5	44.3#
249	27.9	19.5	29.3

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#68

Atrazine

Concen: 48.38 ng

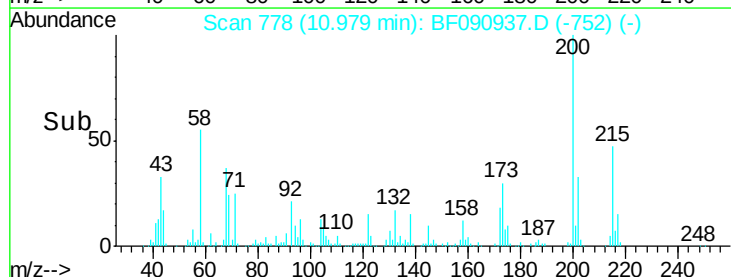
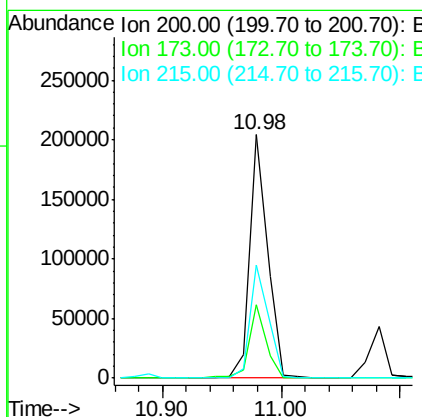
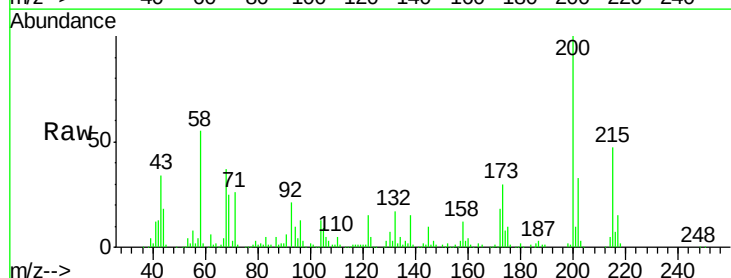
RT: 10.98 min Scan# 778

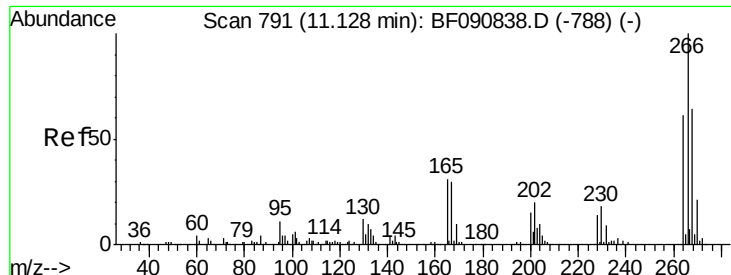
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	30.0	13.2	53.2
215	46.5	41.8	81.8





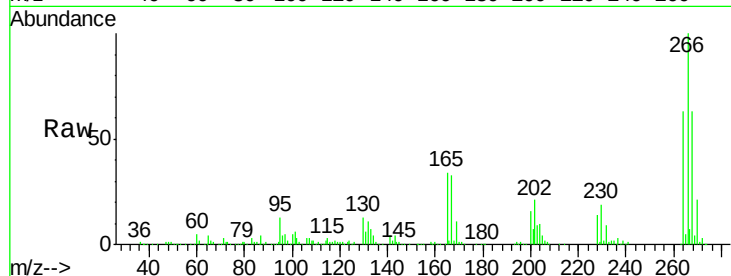
#69
 Pentachlorophenol
 Concen: 74.43 ng
 RT: 11.08 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

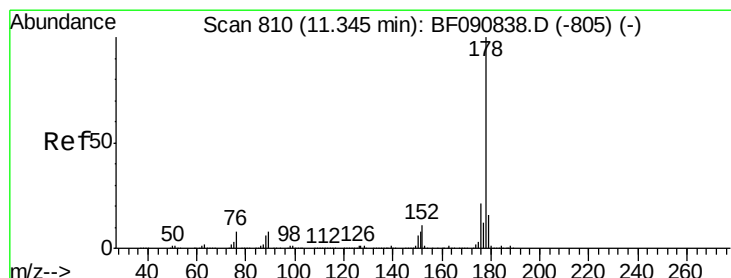
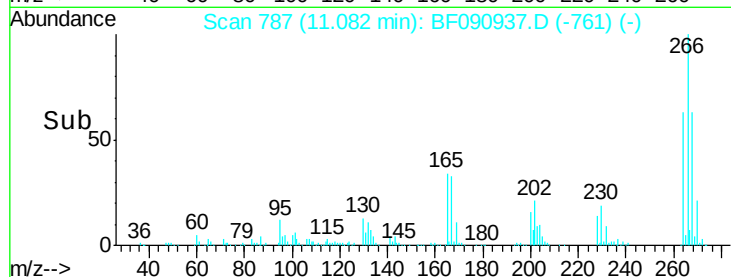
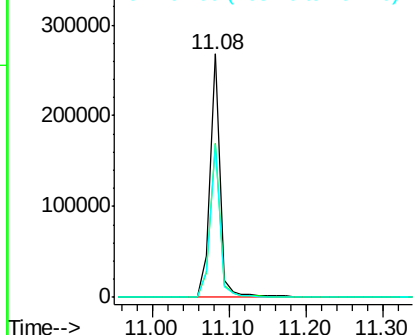
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	244650		
268	63.2	49.8	74.6	
264	62.5	50.2	75.2	

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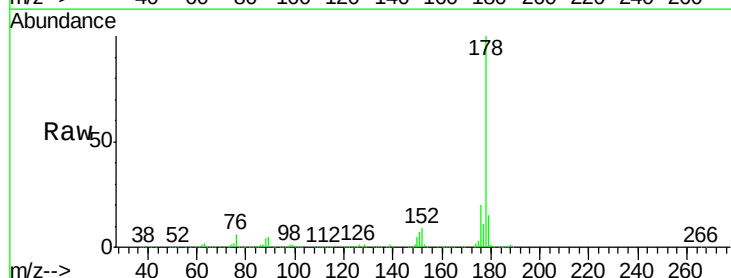


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

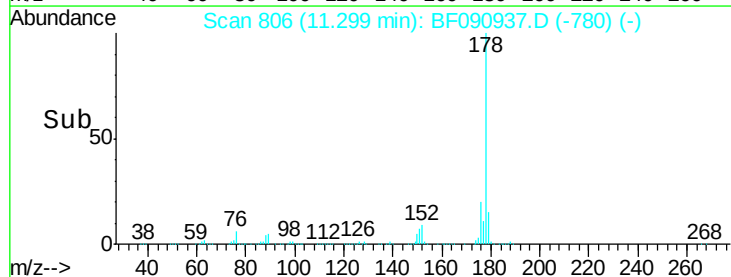
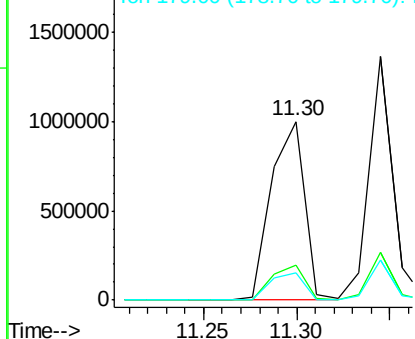


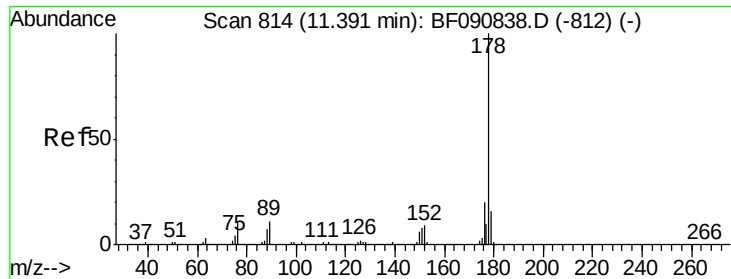
#70
 Phenanthrene
 Concen: 51.58 ng
 RT: 11.30 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1241940		
176	19.7	13.8	20.8	
179	15.4	12.2	18.2	



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: 48.29 ng

RT: 11.34 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:178 Resp: 1224330

Ion Ratio Lower Upper

178 100

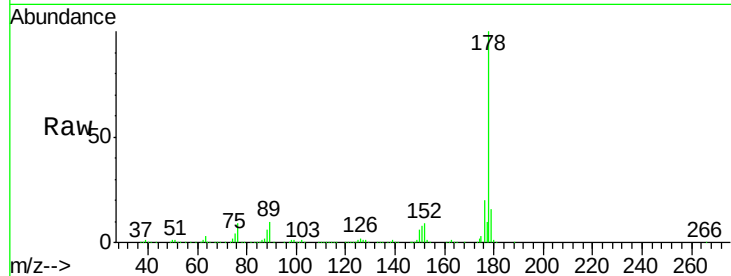
176 19.9 14.1 21.1

179 16.3 12.2 18.2

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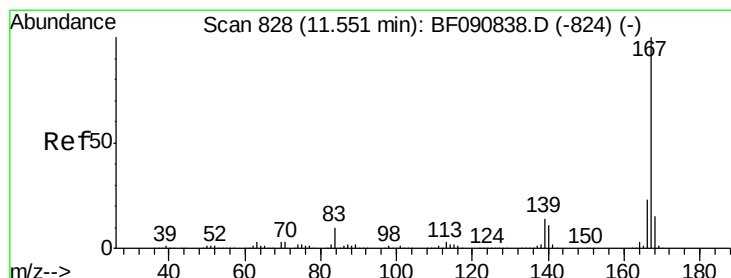
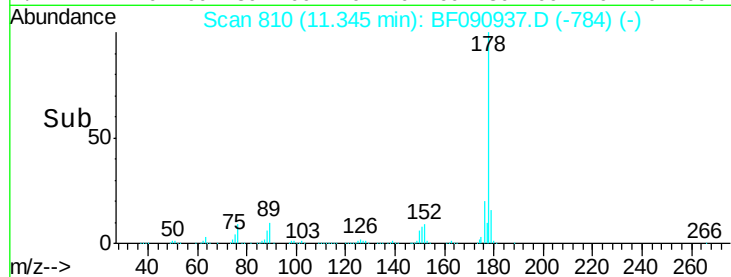
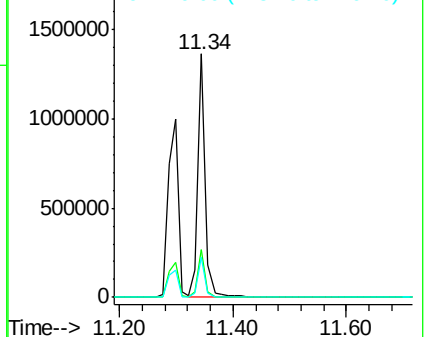
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 52.08 ng

RT: 11.50 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

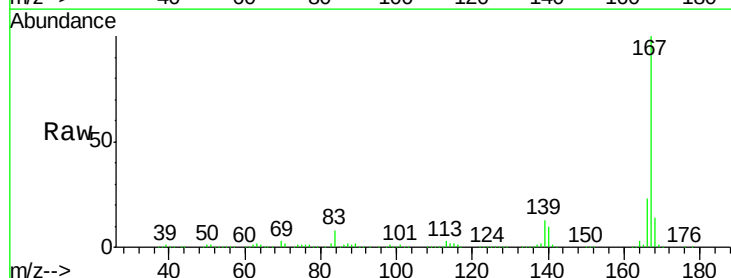
Tgt Ion:167 Resp: 1165843

Ion Ratio Lower Upper

167 100

166 22.7 15.7 23.5

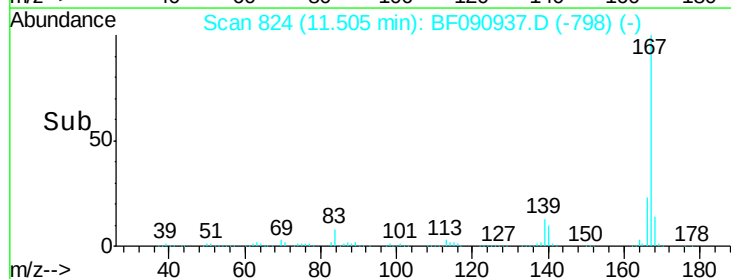
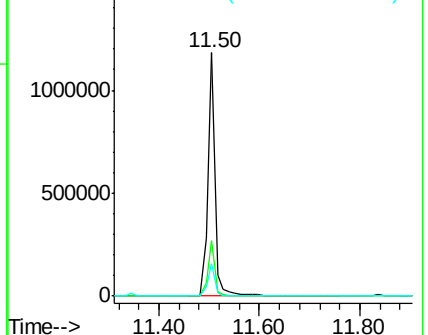
139 13.3 9.5 14.3

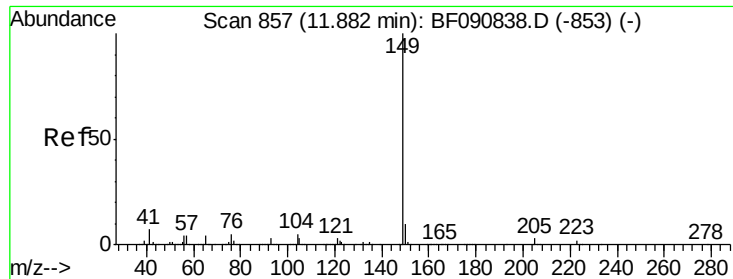


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 47.35 ng

RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:149 Resp: 1366488

Ion Ratio Lower Upper

149 100

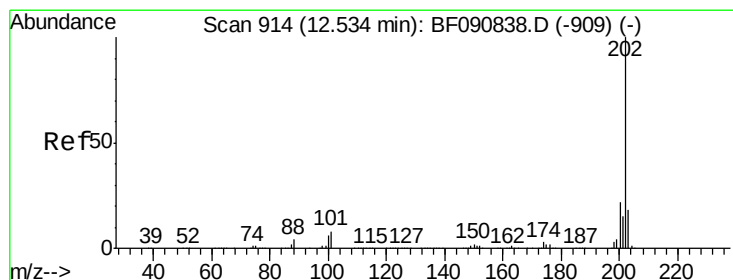
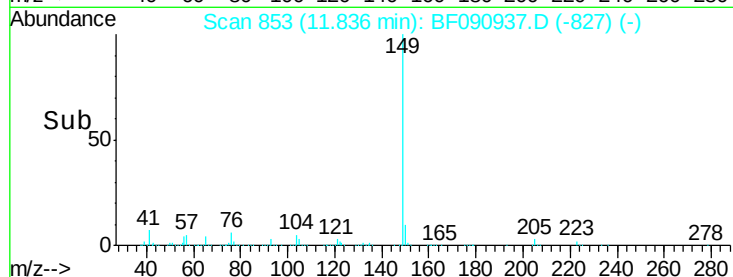
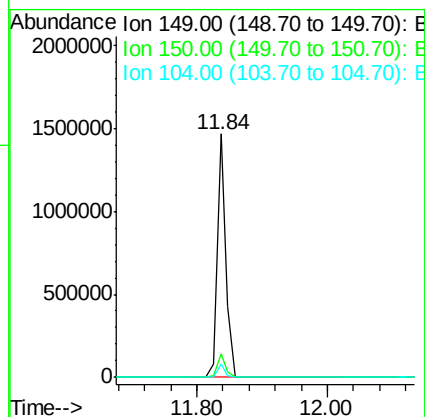
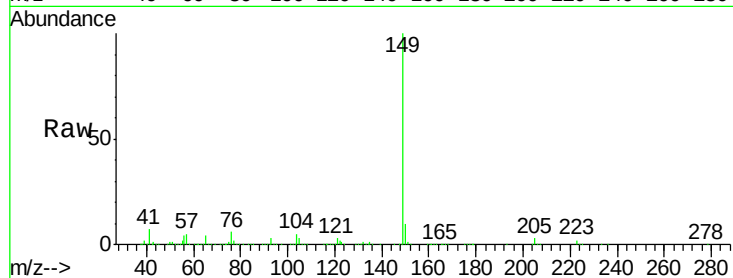
150 9.8 7.4 11.2

104 5.2 2.4 3.6#

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#74

Fluoranthene

Concen: 45.33 ng

RT: 12.48 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

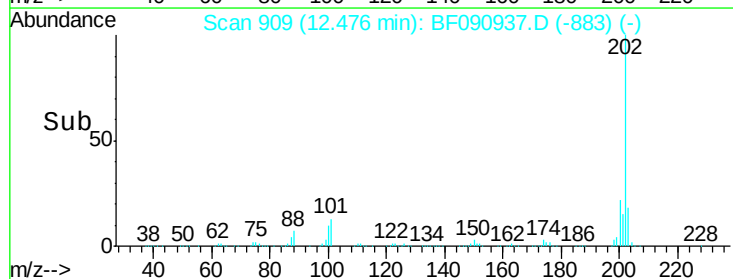
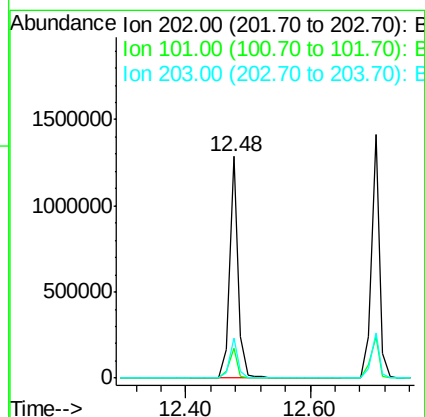
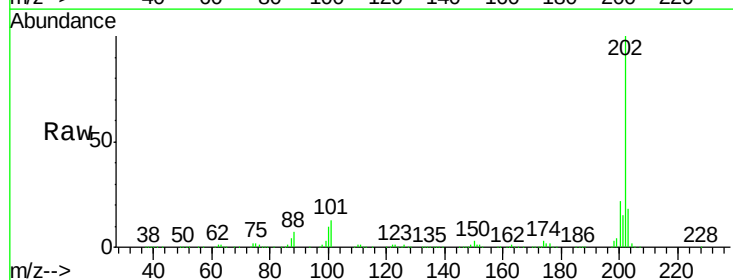
Tgt Ion:202 Resp: 1195163

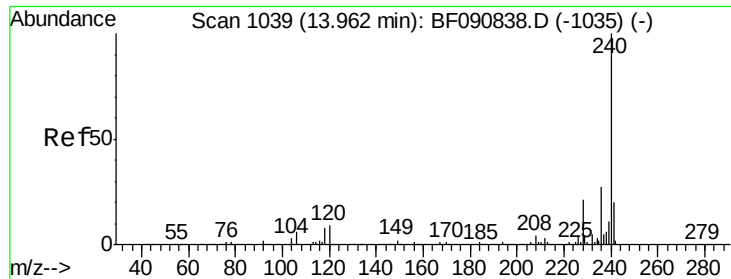
Ion Ratio Lower Upper

202 100

101 13.5 0.0 38.3

203 18.3 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:240 Resp: 411117
Ion Ratio Lower Upper

240 100

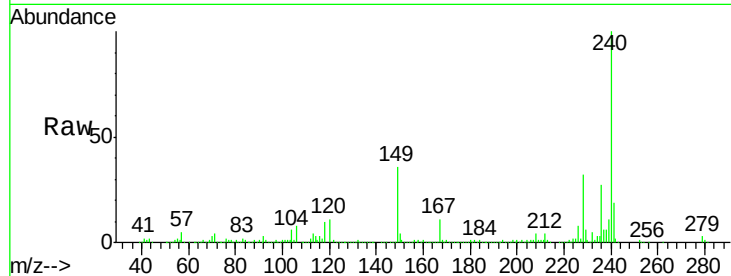
120 10.9 16.2 24.2#

236 27.1 18.4 27.6

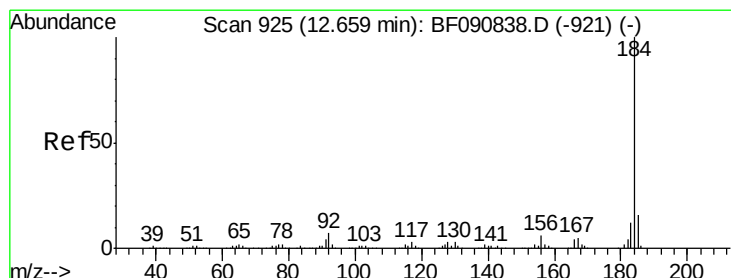
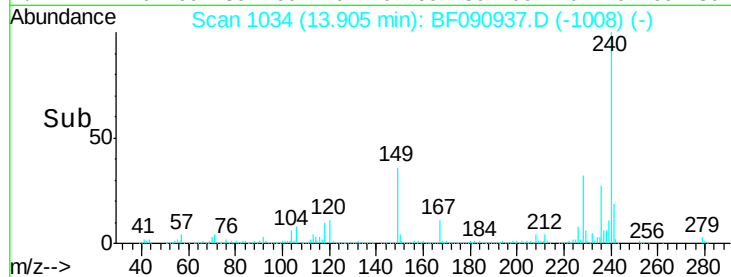
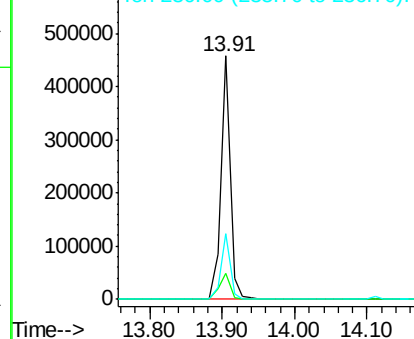
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 35.86 ng

RT: 12.60 min Scan# 920

Delta R.T. 0.00 min

Lab File: BF090937.D

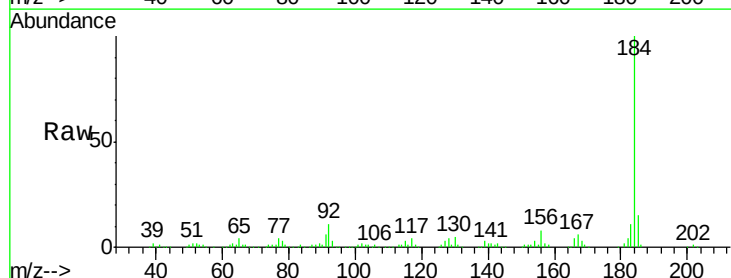
Acq: 31 Oct 2016 19:22

Tgt Ion:184 Resp: 321889
Ion Ratio Lower Upper

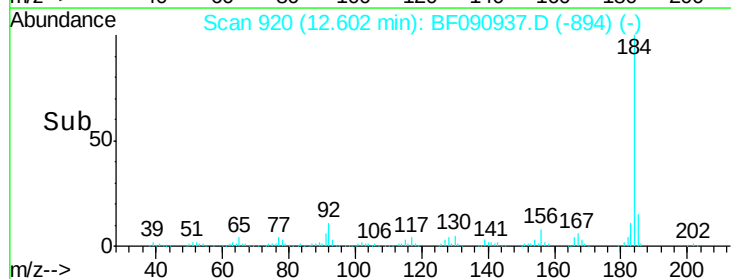
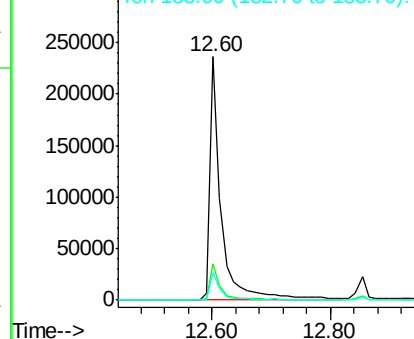
184 100

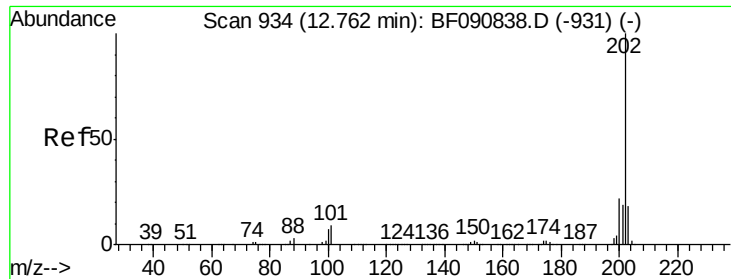
185 14.9 11.8 17.6

183 11.0 7.6 11.4



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





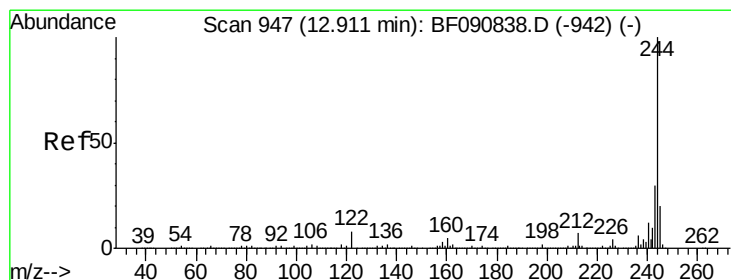
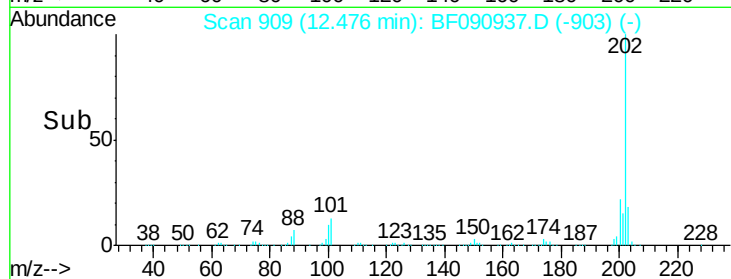
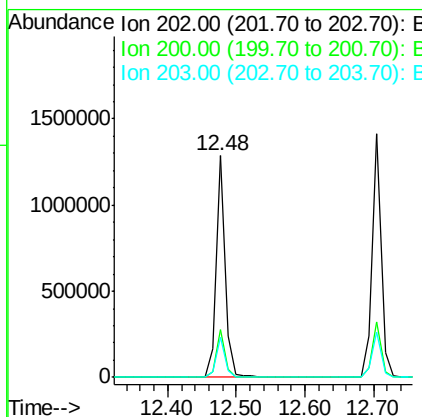
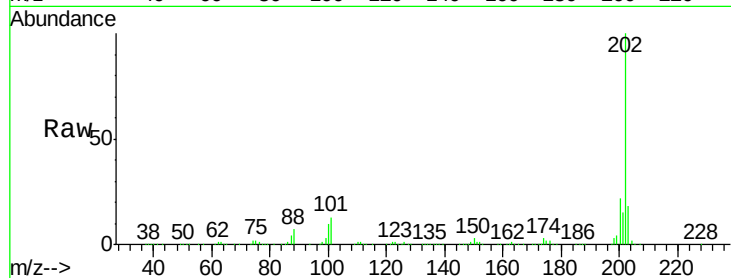
#77
 Pyrene
 Concen: 45.58 ng
 RT: 12.48 min Scan# 909
 Delta R.T. -0.23 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	15.0	22.4
203	18.3	14.1	21.1

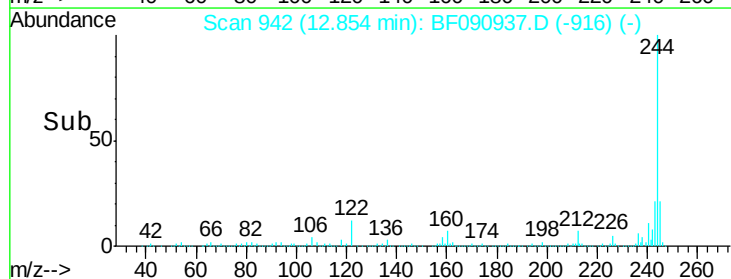
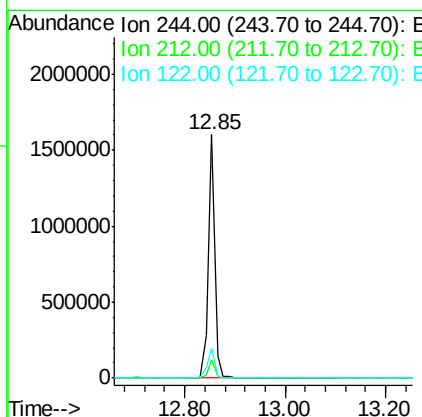
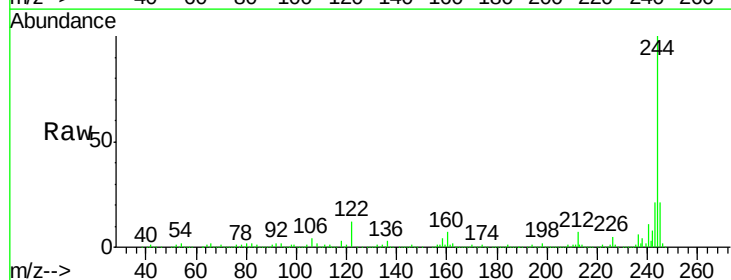
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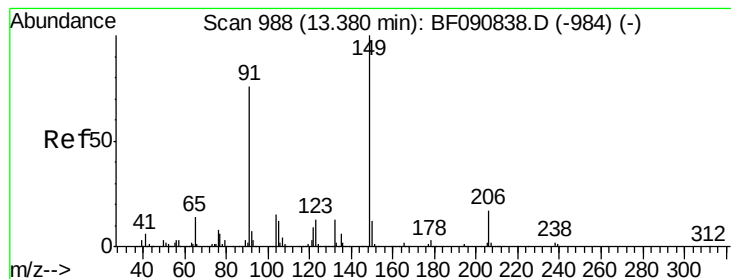
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#78
 Terphenyl-d14
 Concen: 87.47 ng
 RT: 12.85 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	4.3	6.5#
122	12.4	17.4	26.2#





#79

Butylbenzylphthalate

Concen: 55.41 ng

RT: 13.33 min Scan# 984

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

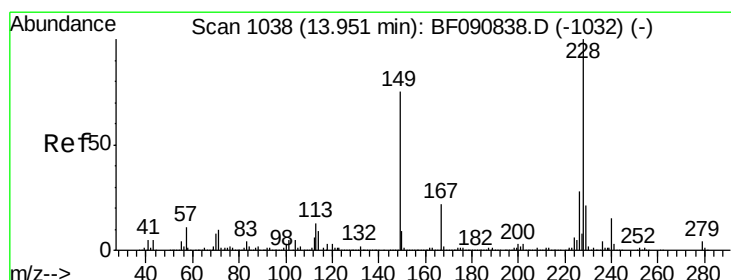
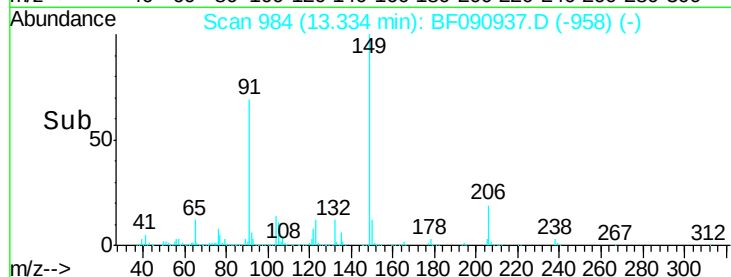
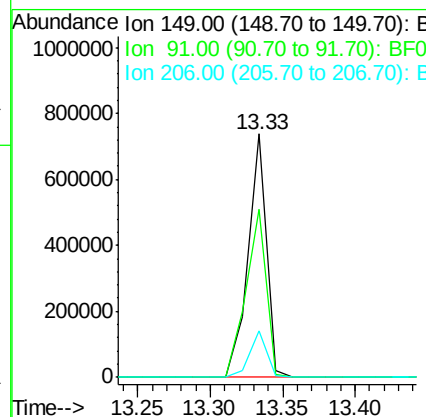
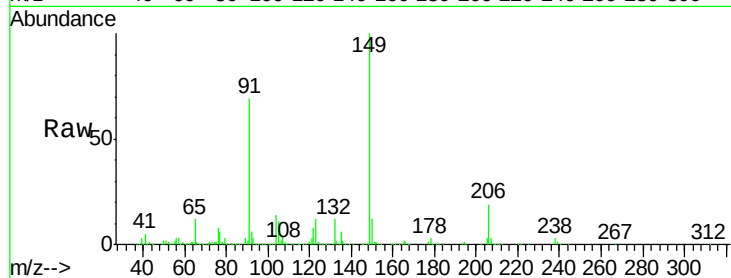
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:	149	Resp:	654115
Ion Ratio	Lower	Upper	
149	100		
91	68.9	48.6	72.8
206	18.9	14.9	22.3

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#80

Benzo(a)anthracene

Concen: 50.19 ng

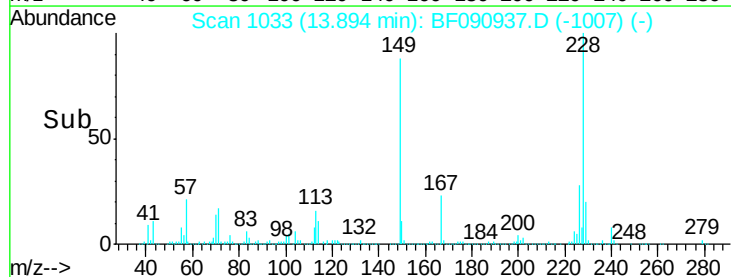
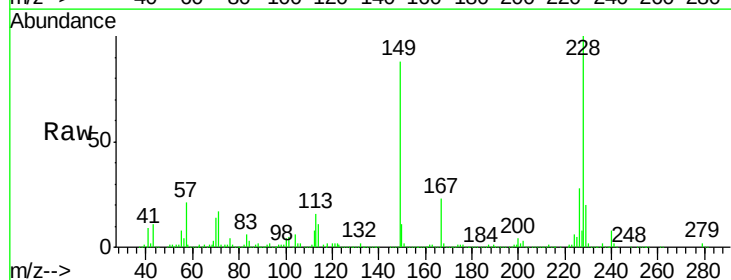
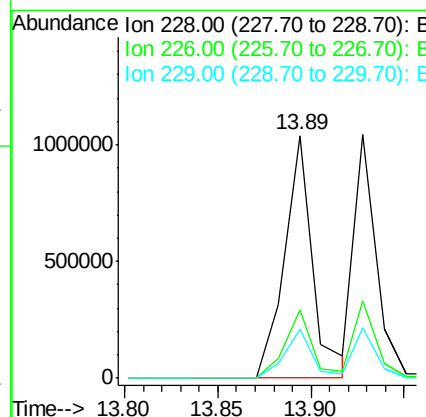
RT: 13.89 min Scan# 1033

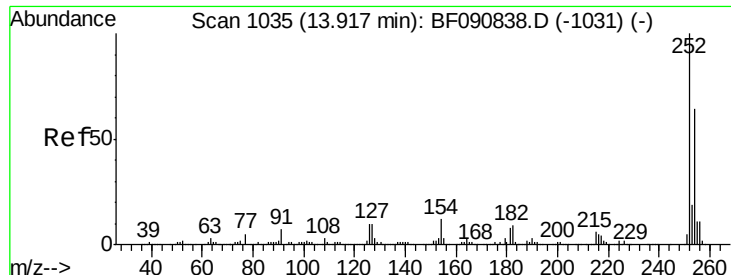
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion:	228	Resp:	1094970
Ion Ratio	Lower	Upper	
228	100		
226	28.1	20.0	30.0
229	20.3	15.4	23.2





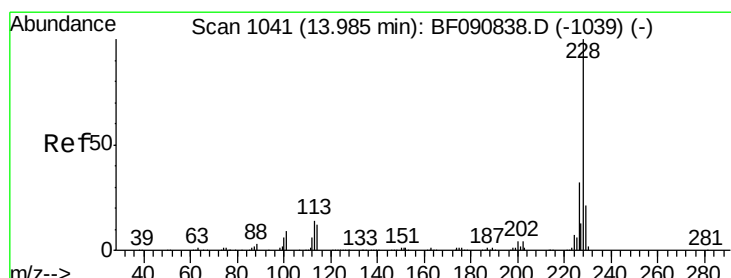
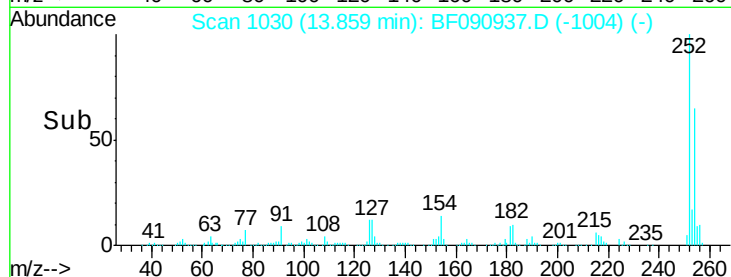
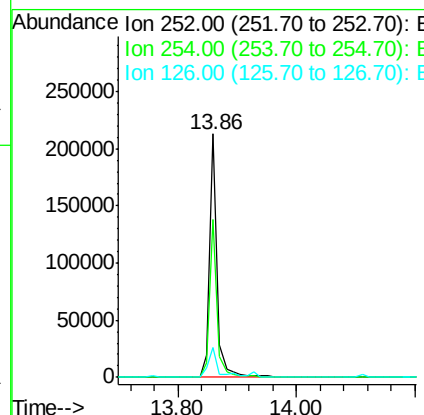
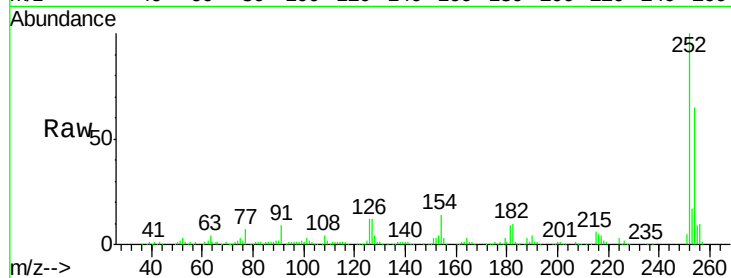
#81
 3,3'-Dichlorobenzidine
 Concen: 23.19 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	65.0	51.4	77.2
126	12.4	16.4	24.6#

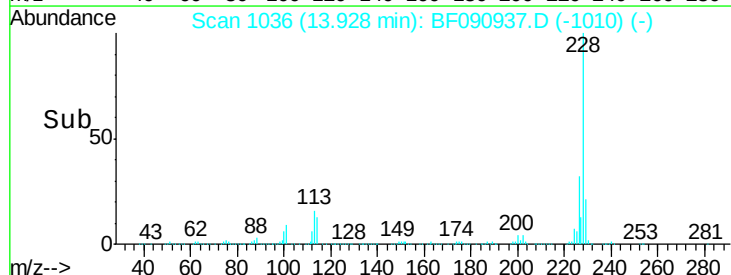
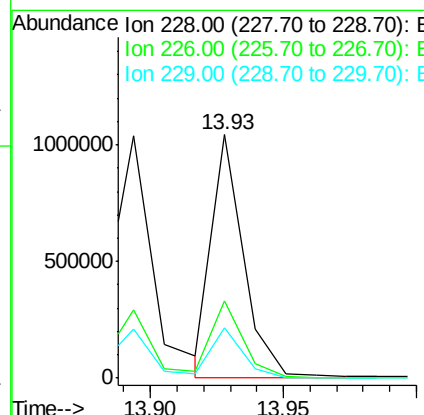
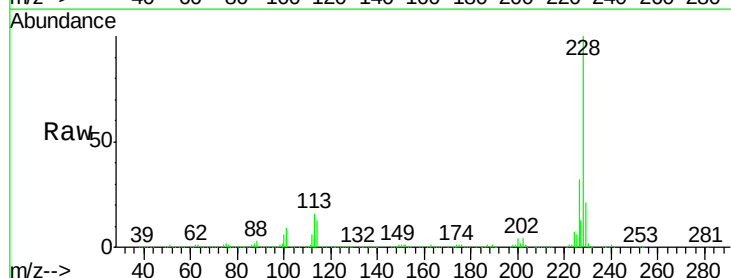
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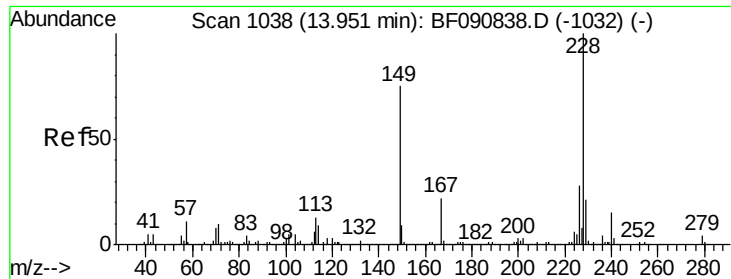
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#82
 Chrysene
 Concen: 40.22 ng m
 RT: 13.93 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.9	21.0	31.4#
229	20.6	15.6	23.4





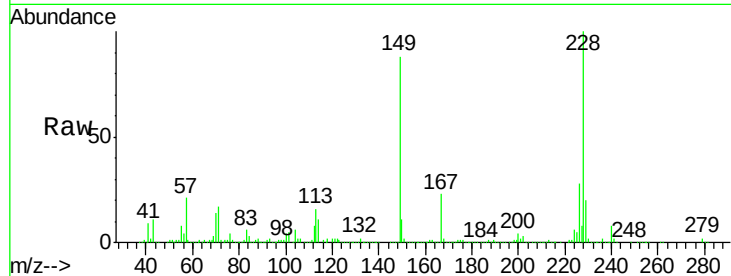
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 52.68 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

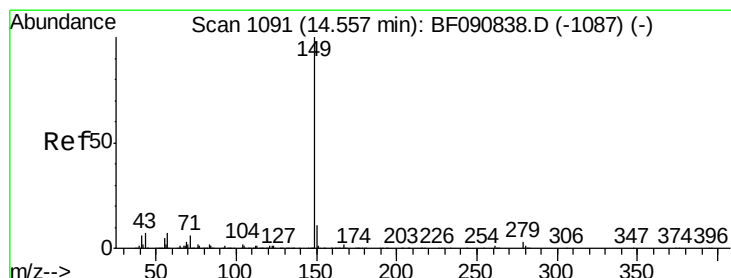
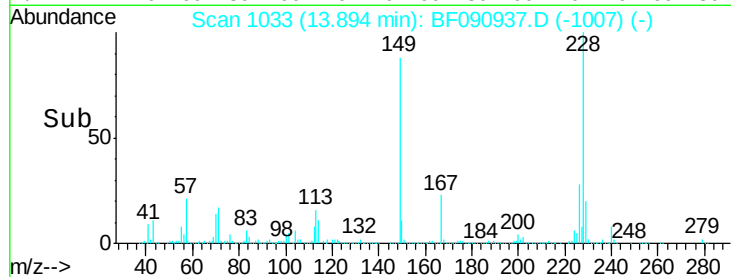
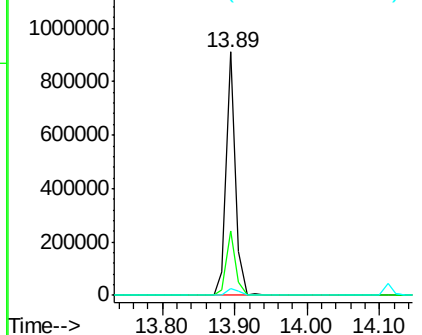
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	809854		
167	26.5	24.2	36.2	
279	2.8	3.8	5.6#	

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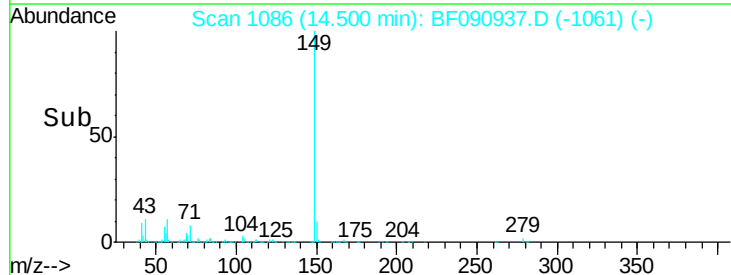
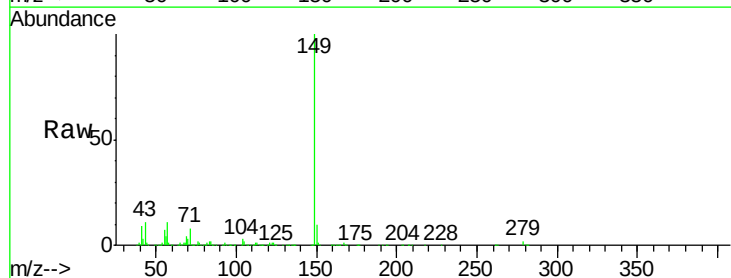
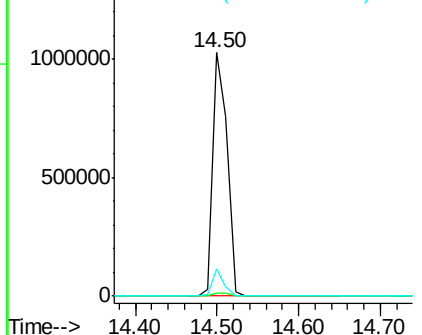
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

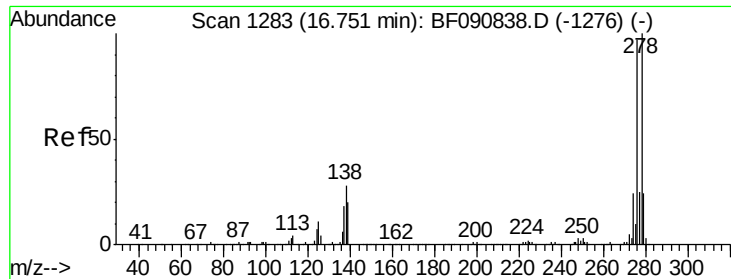


#84
 Di-n-octyl phthalate
 Concen: 48.98 ng
 RT: 14.50 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1264389		
167	1.6	1.0	1.6#	
43	8.8	10.2	15.2#	

Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 45.08 ng

RT: 16.64 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

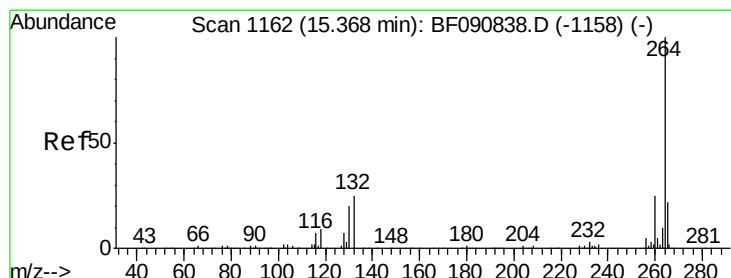
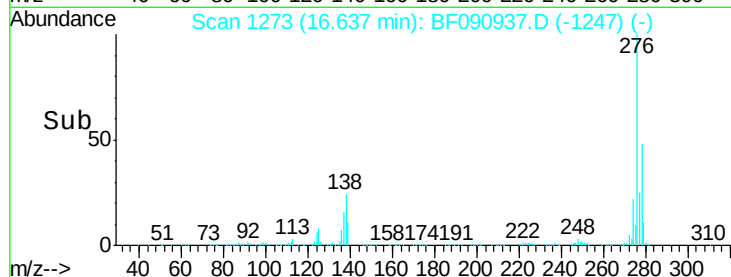
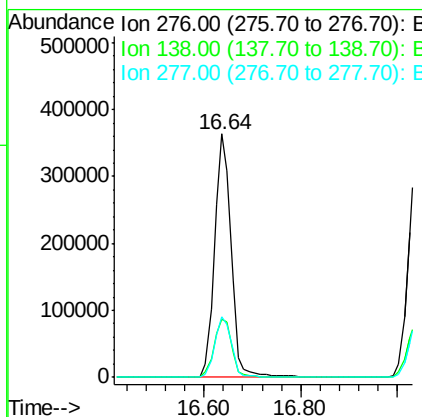
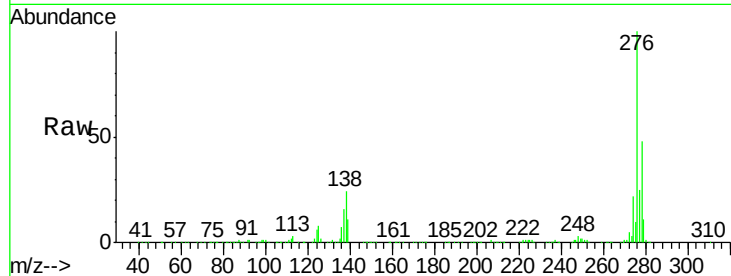
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:	276	Resp:	881650
Ion Ratio	Lower	Upper	
276	100		
138	26.1	25.7	38.5
277	25.3	15.6	23.4

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#86

Perylene-d12

Concen: 20.00 ng

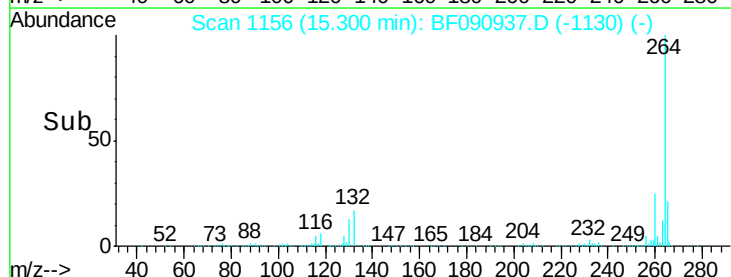
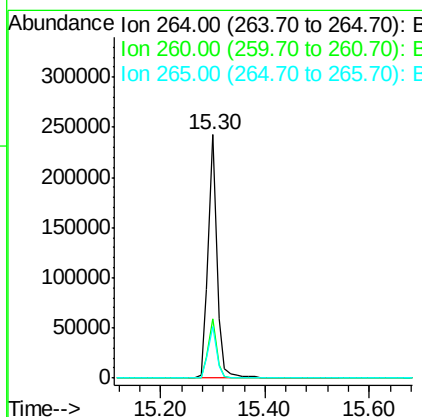
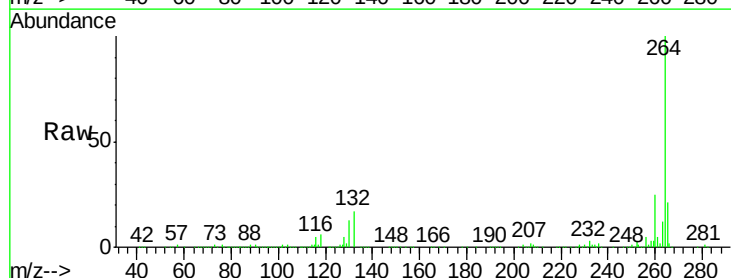
RT: 15.30 min Scan# 1156

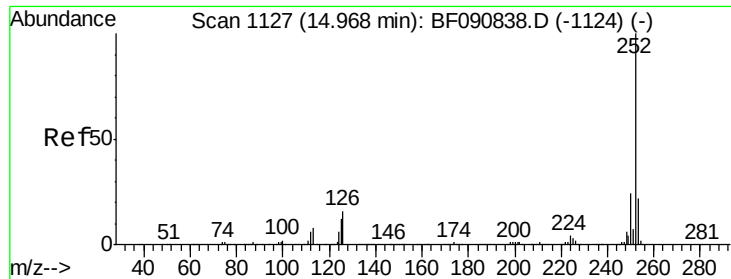
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion:	264	Resp:	287412
Ion Ratio	Lower	Upper	
264	100		
260	24.6	16.7	25.1
265	21.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 47.68 ng m

RT: 14.91 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Instrument :

BNA_F

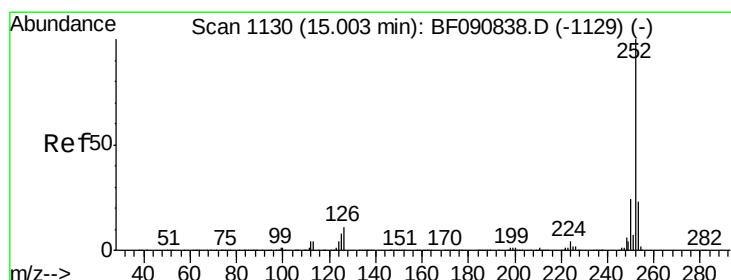
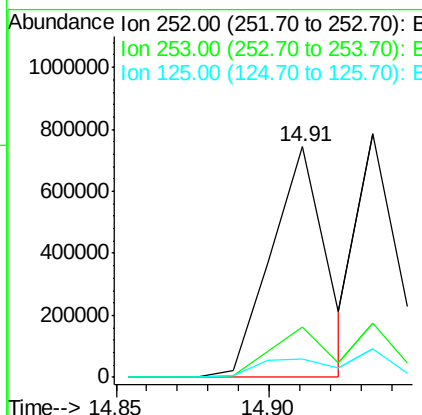
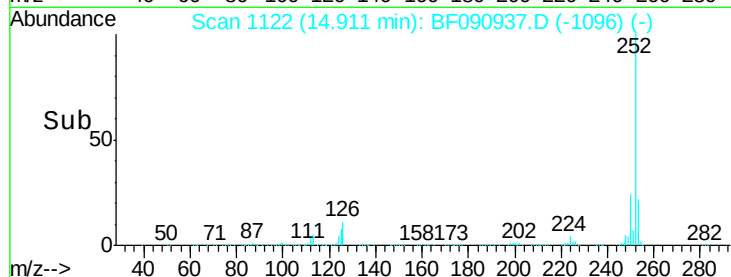
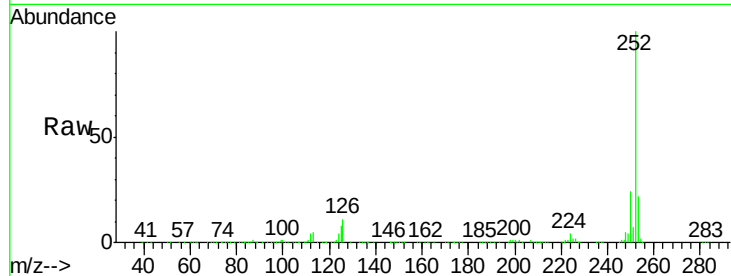
ClientSampleId :

SB-4(12-14)MSD

Tgt Ion:	252	Resp:	921507
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.5	26.3
125	8.1	17.1	25.7

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#88

Benzo(k)fluoranthene

Concen: 47.94 ng m

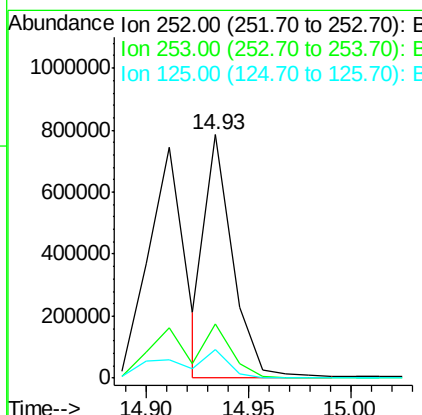
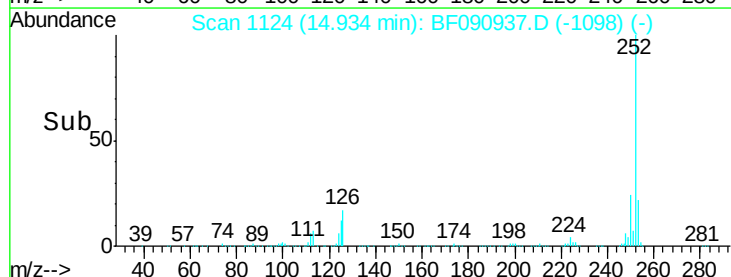
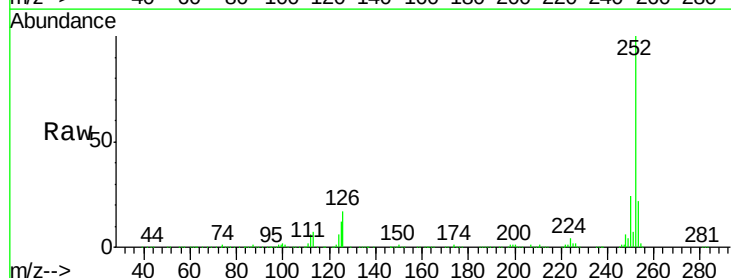
RT: 14.93 min Scan# 1124

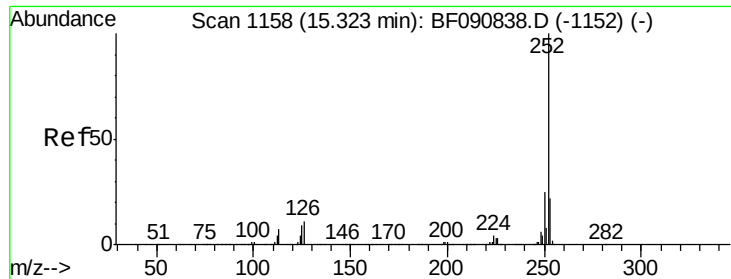
Delta R.T. 0.00 min

Lab File: BF090937.D

Acq: 31 Oct 2016 19:22

Tgt Ion:	252	Resp:	732146
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.4
125	11.8	16.0	24.0





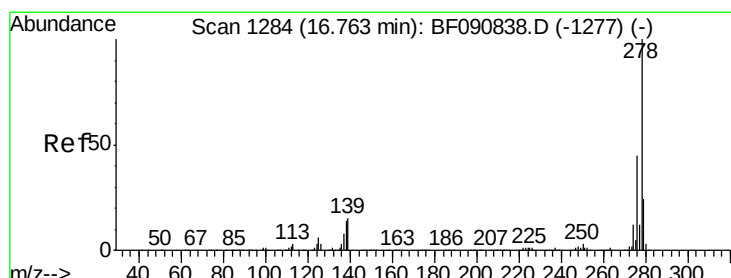
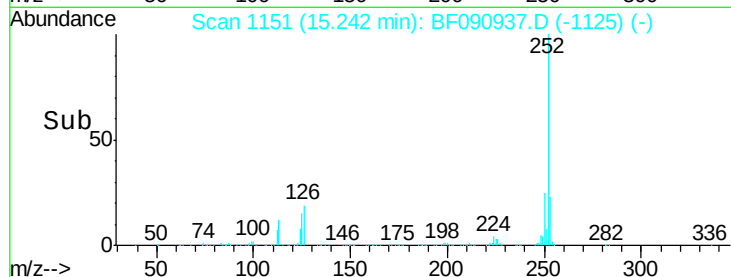
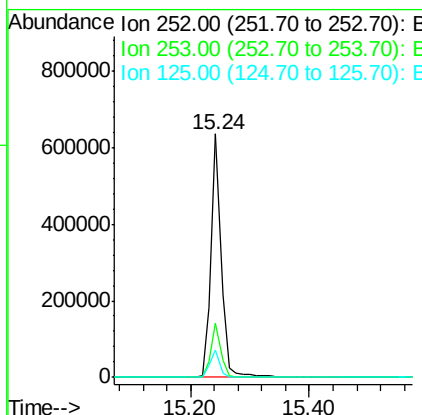
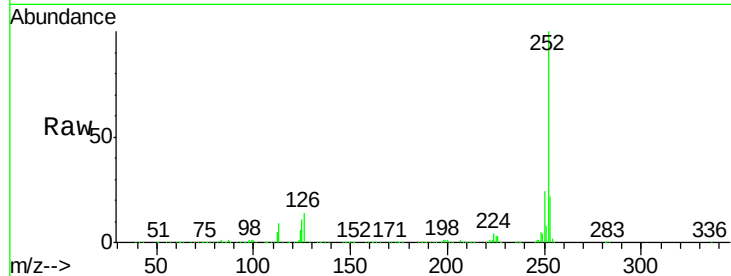
#89
Benzo(a)pyrene
Concen: 45.41 ng
RT: 15.24 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Instrument :
BNA_F
ClientSampleId :
SB-4(12-14)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.4	18.0	27.0

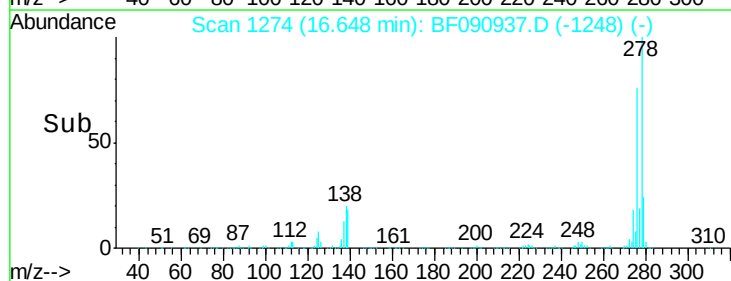
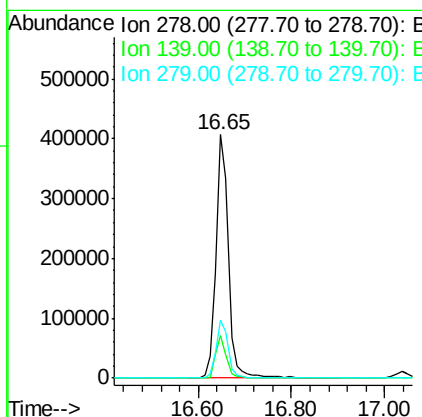
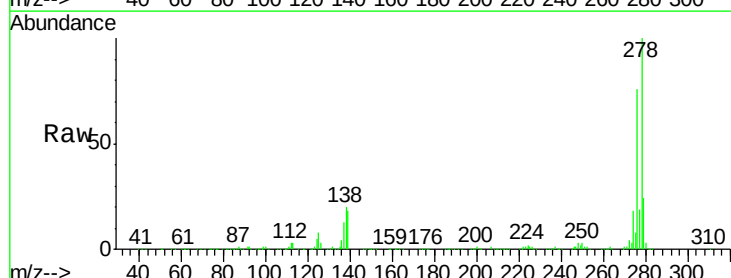
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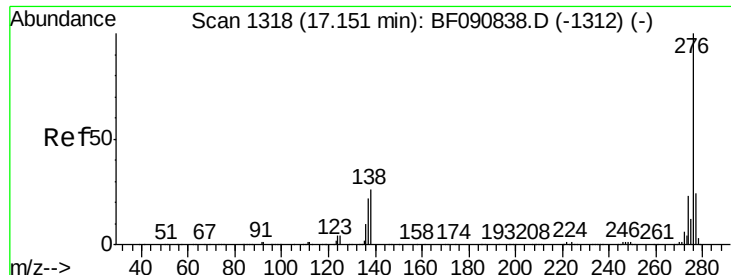
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#90
Dibenzo(a,h)anthracene
Concen: 53.70 ng
RT: 16.65 min Scan# 1274
Delta R.T. 0.00 min
Lab File: BF090937.D
Acq: 31 Oct 2016 19:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	26.3	39.5
279	24.0	18.2	27.4





#91
 Benzo(g,h,i)perylene
 Concen: 56.07 ng
 RT: 17.04 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: BF090937.D
 Acq: 31 Oct 2016 19:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-14)MSD

Tgt Ion:	276	Resp:	742349
Ion Ratio	Lower	Upper	
276	100		
277	24.2	17.8	26.6
138	24.0	34.6	51.8

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